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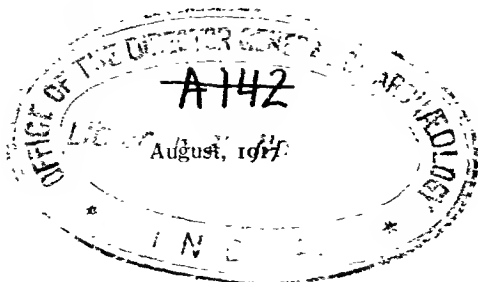
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## OFFICERS

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The Governor of Pennsylvania

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William W. Keen, M.D., Sc.D., LL.D.

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William B. Scott, Ph.D., D.Sc., LL.D.    Albert A. Michelson, Ph.D., Sc.D., LL.D.  
George Ellery Hale, Sc.D., Ph.D., LL.D.

### SECRETARIES

I. Minis Hays, A.M., M.D.                      Amos P. Brown, B.S., Ph.D.  
Arthur W. Goodspeed, A.B., Ph.D.            Harry F. Keller, Nat. Ph.D., Sc.D.

### CURATORS

Charles L. Doolittle, C.E., Sc.D., LL.D.    William P. Wilson, Dr.Sc.  
Leslie W. Miller

### TREASURER

Henry La Barre Jayne, A.B.

### COUNCILLORS

Elected in 1915	Elected in 1916
Henry H. Donaldson, Ph.D., D.Sc.	Louis A. Bauer, Ph.D., D.Sc.
Theodore W. Richards, Sc.D., LL.D.	Edward P. Cheyney, A.M., LL.D.
Robert A. Harper, M.A., Ph.D.	Russell H. Chittenden, Ph.D., LL.D.
Edwin G. Conklin, Ph.D., Sc.D.	Charles D. Walcott, Sc.D., LL.D.

Elected in 1917

Henry Fairfield Osborn, Sc.D., LL.D.  
Elhu Thomson, Ph.D., D.Sc.  
Samuel M. Vauclain, Sc.D.  
Henry B. Fine, Ph.D., LL.D.

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## MEMBERS RESIDING WITHIN THE UNITED STATES

	Date of Election
<b>Abbot, Charles Greeley, M.Sc., D.Sc.</b> Director of Astrophysical Observatory, Smithsonian Institution. Mem. Nat. Acad. Sci., Am. Astronom. and Astrophys. Soc., Soc. Astronom. de France, Astronomical Society of Mexico, Acad. de Ciencias, Mexico, Deut. Meteorol. Gesell. Medals—Draper (Nat. Acad. Sci. 1910); Rumford (Am. Acad. Arts and Sci. 1915). <i>Smithsonian Institution, Washington, D. C.</i>	1914
<b>Abbot, Henry Larcom, LL.D.</b> Major-General U. S. A. Mem. Nat. Acad. Sci., Am. Acad. Arts and Sci., Corr. Mem. Imp. Roy. Geolog. Instit. Austria. <i>23 Berkeley St., Cambridge, Mass.</i>	1862
<b>Abbott, Alexander Crever, M.D., Sc.D., Dr. P.H.</b> Prof. of Hygiene and Bacteriology, Univ. Penna., Chief of Bureau of Health and President of Board of Health of Philadelphia 1903-09. Mem. Assoc. Am. Phys., Am. Physiolog. Soc., Am. Soc. Pathol. and Bacteriol., Fell. Coll. Phys., Phila. <i>Laboratory of Hygiene, University of Pennsylvania, Philadelphia.</i>	1897
<b>Abbott, Charles Conrad, M.D.</b> Asst. Archæologist Peabody Mus., Cambridge, Mass., 1876-89. Mem. Royal Soc. of Antiquaries of the North, Copenhagen; Boston Soc. of Nat. Hist., Linnaean Soc., N. Y., N. Y. Acad. of Sci. <i>907 Radcliffe St., Bristol, Pa.</i>	1889
<b>Abel, John Jacob, A.M., Sc.D., M.D.</b> Professor of Pharmacology. Johns Hopkins University. Mem. Nat. Acad. Sci., Assoc. Am. Phys., Am. Physiol. Soc., Soc. for Pharmacol. and Exp. Therap. <i>Johns Hopkins Medical School, Baltimore.</i>	1915
<b>Adams, Edwin Plimpton, M.S., Ph.D.</b> Professor of Physics, Princeton University. <i>Princeton, N. J.</i>	1915
<b>Adams, Walter Sydney, A.M., Sc.D.</b> Astronomer and Assistant Director of Mt. Wilson Solar Observatory, Carnegie Institution of Washington. Mem. Am. Astronom. Soc., Fell. Roy. Astronom. Soc. <i>Observatory Office, Pasadena, Cal.</i>	1915
<b>Adler, Cyrus, M.A., Ph.D.</b> President of Dropsie Coll. for Hebrew and Cognate Learning. Formerly Librarian and Assist. Sec'y Smithsonian Institution, Hon. Assoc. U. S. Nat. Museum, Member Am. Jewish Hist. Soc., (President) Am. Anthropol. Assoc., Am. Philol. Soc., Am. Oriental Soc., Washington Acad. Sci. <i>2041 N. Broad St., Philadelphia.</i>	1900

	Date of Election
<b>Allen, Joel Asaph, Ph.D. (Hon.).</b> Curator of Department of Mammalogy and Ornithology, American Museum of Natural History, N. Y. Mem. Nat. Acad. Sci., Am. Acad. Arts and Sci., Am. Ornith. Union (Pres't, 1883-90); Zool. Soc., Lond., Deutsche Orn. Gesell., Berlin. <b>Medal</b> —Linn. Soc. Nat. Hist., N. Y., 1916. <i>American Museum of Natural History, New York.</i>	1878
<b>Ames, Joseph Sweetman, A.B., Ph.D., LL.D.</b> Professor of Physics and Director of Physical Laboratory, Johns Hopkins University. Mem. Nat. Acad. Sci., Am. Phys. Soc., Soc. Franç. de Phys., Nat. Advisory Comm. for Aeronautics; Fell. Am. Acad. Arts and Sci., Hon. Mem. Roy. Inst. of Gr. Br. <i>Johns Hopkins University, Baltimore.</i>	1905
<b>Anderson, George Lucius, A.M.</b> Colonel U. S. A. <i>Palo Alto, Cal.</i>	1886
<b>Appleton, William Hyde, A.M., Ph.D., LL.D.</b> Formerly Professor of Greek and President of Swarthmore College. Mem. Arch. Inst. of Am. <i>The Clinton, 10th and Clinton Sts., Philadelphia.</i>	1893
<b>Atkinson, George Francis, Ph.D.</b> Professor of Botany, Cornell University. Mem. N. Y. Acad. Sci., Bot. Soc. of Am. (Pres't, 1907). <i>Department of Botany, Cornell University, Ithaca, N. Y.</i>	1913
<b>Atterbury, William Wallace, Ph.B., M.A.</b> Vice-President (in charge of operation) Pennsylvania R. R. Co.; Pres't Am. Rwy. Assoc.; Mem. Am. Soc. Mechan. Eng., Am. Soc. Civil Eng. <i>Radnor, Pa.</i>	1916
<b>Bailey, Liberty Hyde, M.S., LL.D.</b> Late Professor of Horticulture and Director of N. Y. State College of Agriculture, Cornell University, Fell. Am. Acad. Arts and Sci. <i>Ithaca, N. Y.</i>	1896
<b>Balch, Edwin Swift, A.B.</b> Mem. Geog. Soc. of Phila. (Pres't, 1895-96). Fell. Am. Geog. Soc., Roy. Geog. Soc., Corr. Mem. Soc. Antonio Alzate, Mexico. <i>1412 Spruce St., Philadelphia.</i>	1899
<b>Balch, Thomas Willing, A.B.</b> Mem. Am. Antiq. Soc., Hist. Soc. of Penna. (V. P.). Corr. Mem. Colonial Soc. of Mass. <i>1412 Spruce St., Philadelphia.</i>	1901
<b>Baldwin, James Mark, M.A., Ph.D., D.Sc., LL.D.</b> Late Professor of Psychology, Johns Hopkins Univ., For. Corr. Inst. de France, Mem. Am. Psychol. Assoc. (President, 1907-08). <b>Medal</b> —Roy. Acad. Denmark. <i>Care of Harris Forbes Co., 56 William St., New York.</i>	1897
<b>Baldwin, Simeon Eben, A.M., LL.D.</b> Justice, Governor of Connecticut. Professor of Law in Yale University. Mem. Am. Soc. Sci. Assoc. (Past-President). Am. Polit. Sci. Assoc., Am. Hist. Assoc., Internat. Law Assoc. (Lond.), Am. Antiq. Soc.; Fell. Am. Acad. Arts and Sci., Corr. Mem. Mass. Hist. Soc., Colonial Soc. of Mass., l'Institut de Droit Comparée, Brussels. <i>New Haven, Conn.</i>	1910

- Date of  
Election
- Barker, Wharton, M.A.** *Port Royal Ave., Roxborough, Philadelphia.* 1884
- Barnard, Edward Emerson, M.A., D.Sc., LL.D.** Professor of Practical Astronomy, University of Chicago, Astronomer of Yerkes Observatory; Fell. A. A. A. S. (V.P., 1898). Mem. Nat. Acad. Sci., Astron. and Astrophys. Soc., Assoc. Fell. Am. Acad. Arts and Sci., Hon. Mem. R. Astron. Soc. of Canada; For. Assoc. Royal Astron. Soc., Soc. Astron. de France. **Medals**—Lelande (Paris Acad., 1892); Arago (1893); Roy. Astron. Soc. (1897). Janssen Prize Soc. Astron. de France, 1906). *Yerkes Observatory, Williams Bay, Wis.* 1903
- Barton, George Aaron, A.M., Ph.D., LL.D.** Professor of Biblical Literature and Semitic Languages, Bryn Mawr College. Mem. Soc. of Biblical Lit. and Exegesis (Pres't, 1916-17), Am. Oriental Soc., Arch. Inst. of Am., Soc. of Biblical Archaeol. (Lond.), Deutsche Morgenländ. Gesell., Orient-Gesell., Vorderasiat. Gesell., Corr. Mem. Soc. Archéol. de France. 237 *Roberts Road, Bryn Mawr, Pa.* 1911
- Barus, Carl, Ph.D., LL.D.** Professor of Physics, Brown University. Formerly Physicist, U. S. Geolog. Surv., and Smithsonian Inst. Mem. Nat. Acad. Sci., Fell. Am. Acad. Arts and Sci., Am. Phys. Soc. (Pres't, 1904-06), Hon. Mem. Royal Institution of Gr. Br. **Medal**—Rumford (1900). *Brown University, Providence, R. I.* 1903
- Bauer, Louis A., C.E., M.S., M.A., Ph.D., D.Sc.** Director of Department of Terrestrial Magnetism, Carnegie Inst. of Washington. Formerly Chief of Div. of Terrestrial Magnetism, U. S. Coast & Geodetic Survey. Halley Lecturer in Terrestrial Magnetism (Oxford, 1913). Fell. Am. Acad. Arts and Sci., Corr. Mem. Soc. d Wissenschaft. (Göttingen), Acad. das Scien. (Lisbon), Hon. Mem. Royal Cornwall Polytech. Soc., Soc. Cient. "Antonio Alzate," Mexico, Mem. Washington Acad. Sci., Philos. Soc. of Wash. (Pres't, 1908), Am. Phys. Soc., Am. Astron. Soc., Assoc. of Am. Geog., Mem. Perm. Comm. on Terrestrial Magnetism of Inter. Meteorological Conference, and of Inter-Assoc. of Academies. **Medal**—Charles Lagrange Prize, Acad. Roy. Belgique (1909). Georg Neumeyer (Berlin, 1913). 301 *The Ontario, Washington, D. C.* 1909
- Baugh, Daniel.** 1601 *Locust St., Philadelphia.* 1899
- Becker, George Ferdinand, B.A., Ph.D. (Heidelb.).** Geologist in charge of U. S. Geol. Survey. Mem. Nat. Acad. Sci., Geol. Soc. of Am. (Pres't, 1914), Am. Inst. of Mining Engineers. *U. S. Geological Survey, Washington, D. C.* 1907
- Bell, Alexander Graham, LL.D., Ph.D., Sc.D., M.D.** Mem. Nat. Acad. Sci., Am. Acad. Arts and Sci., Boston Soc. of Nat. Hist., Am. Inst. Electrical Eng. (Past-Pres't), Antiq. Soc. of Mass., Wash. Acad. Sci., Nat. Geog. Soc. (Past-Pres't), Roy. Soc. of Arts (Lond.); 1882



	Date of Election
Soc. of Telegraph Eng. and Elect. (Lond.); Inst. of Elect. Eng. (Lond.), Soc. de Physique (Paris). <b>Medals</b> —Centennial Expos. of Phila. for speaking telephone (1876); Soc. of Arts of Lond. Roy. Albert (1878); République Française Exposition Universelle, Paris (1878); awarded by the Government of France the Volta Prize of 50,000 francs for the electrical transmission of speech (1880). 1331 <i>Connecticut Ave., Washington, D. C.</i>	
<b>Bell, J. Snowden, LL.D.</b> <i>P. O. Box 629, New York City.</i>	1882
<b>Bement, Clarence S.</b> 3907 <i>Spruce St., Philadelphia.</i>	1895
<b>Benedict, Francis Gano, A.M., Ph.D. (Heidelb.), Sc.D.</b> Director of Nutrition Laboratory of Carnegie Institution of Washington. Formerly Professor of Chemistry, Wesleyan Univ. Mem. Nat. Acad. Sci., Am. Chem. Soc., Fell. Am. Acad. Arts and Sci. <i>Nutrition Laboratory, Vila St., Boston, Mass.</i>	1910
<b>Bennett, Charles Edwin, B.A., Litt.D.</b> Professor of Latin, Cornell University. Mem. Am. Philol. Assoc. (Pres't, 1908-09). 1 <i>Grove Place, Ithaca, N. Y.</i>	1913
<b>deBenneville, James S., A.B.</b> 26 <i>D Bluff, Yokohama, Japan.</i>	1897
<b>Blair, Andrew A.</b> 406 <i>Locust St., Philadelphia.</i>	1889
<b>Bloomfield, Maurice, A.M., Ph.D., LL.D., L.H.D.</b> Professor of Sanskrit and Comparative Philology, Johns Hopkins University. Mem. Am. Orient. Soc. (Pres't, 1905-11); Fell. Am. Acad. Arts and Sci. <b>Medals</b> —Hardy Prize, K. Bayer. Akad. d. Wiss. <i>Johns Hopkins University, Baltimore, Md.</i>	1904
<b>Boas, Franz, Ph.D., LL.D., Sc.D. (Oxon.).</b> Professor of Anthropology, Columbia University. Mem. Nat. Acad. Sci., Am. Antiq. Soc., N. Y. Acad. Sci. (Pres't, 1910). Am. Anthropol. Soc. (Pres't, 1907-08), Hon. Mem. Anthropol. Gesell. Vienna, Hon. Fell. Anthropol. Soc. of Gt. Br., Corr. Mem. Anthropol. Societies of Berlin, Brussels, Florence, Moscow, Paris, Rome, Stockholm and Washington, and of Deut. Anthropol. Gesell., Soc. des Americanistes, Paris, and Soc. for Oriental Languages, Frankfurt. 230 <i>Franklin St., Grantwood, N. J.</i>	1903
<b>Bôcher, Maxime, A.B., Ph.D.</b> Professor of Mathematics, Harvard University. Mem. Nat. Acad. Sci., Am. Math. Soc. (Past-Pres't). 48 <i>Buckingham St., Cambridge, Mass.</i>	1916
<b>Bogert, Marston Taylor, Ph.B., LL.D.</b> Professor of Organic Chemistry, Columbia University. Mem. Nat. Acad. Sci., Soc. Chem. Industry (Past-Pres't), Am. Chem. Soc. (Past-Pres't), Washington Acad. Sci., Nat. Research Council, Chem. Soc., Lond., Deutsche Chem. Gesell., Soc. Chim. Ital., Soc. Chim. de France. <i>Columbia University, New York City.</i>	1909

Date of  
Election

- Boltwood, Bertram B., Ph.D.** Professor of Radio-Chemistry, Yale University. Mem. Nat. Acad. Sci., Am. Chem. Soc., Am. Phys. Soc., Am. Acad. Arts and Sci. *P. O. Box 1038, Yale Station, New Haven, Conn.* 1911
- Branner, John Casper, B.S., Ph.D., LL.D., D.Sc.** President Emeritus of Stanford University. Mem. Nat. Acad. Sci., Am. Inst. Mining Eng., Indiana Acad. Sci. (Past-Pres't), Am. Soc. Naturalists, Washington Acad. Sci., Calif. Acad. Sci., Geological Soc. Am. (Past-Pres't), Calif. Earthquake Comm., Seismological Soc. Am. (Past-Pres't), Soc. Geol. de France, Geol. Soc. Lond., Hon. Mem. Acad. Pernambucana de Letras., Inst. Geog. e Hist. da Bahia, Soc. Belge de Geol., Inst. Hist. e Geog., Rio, For. Mem. Acad. Brasil. **Medals**—Louisiana Purchase Exposition (1905); Hayden (Acad. Nat. Sci. of Phila.). *Stanford University, Cal.* 1886
- Brashear, John Alfred, LL.D., Sc.D., D.Eng.** Mem. Eng. Soc. Western Penna. (Past-Pres't), Am. Soc. Mech. Eng. (Past-Pres't), Pittsburgh Acad. Science and Arts (Past-Pres't), Am. Astron. Soc., Roy. Astron. Soc., British Astron. Soc., Soc. Astron. de France, Soc. Astron. de Belge, Roy. Astron. Soc. Canada. **Metal**—Franklin Inst. *1954 Perryville Ave., Pittsburgh, Pa.* 1902
- Bridgman, Percy Williams, A.M., Ph.D.** Assistant Professor of Physics, Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Washington Acad. Sci. *Jefferson Physical Laboratory, Cambridge, Mass.* 1916
- Bright, James Wilson, Ph.D., Litt.D., LL.D.** Professor of English Literature, Johns Hopkins University. *246 W. Lanvale St., Baltimore, Md.* 1914
- Brown, Amos Peaslee, B.S., E.M., Ph.D.** Professor of Mineralogy and Geology, University of Pennsylvania. Mem. Am. Inst. Mining Eng., Fell. Geol. Soc. of Am. *20 E. Penn St., Germantown, Philadelphia.* 1901
- Brown, Ernest William, M.A., Sc.D. (Cantab.).** Professor of Mathematics, Yale University. Fell. Roy. Soc., Am. Acad. Arts and Sci., Roy. Astron. Soc., Cambridge Philos. Soc., Mem. Lond. Math. Soc., Am. Math. Soc., Am. Astron. and Astrophys. Soc. **Medals**—Royal (Royal Soc., 1914); Gold (Royal Astron. Soc., 1907); Adams Prize, Cambridge (1907); De Pontécoulant Prize (Paris 1908). *116 Everit St., New Haven, Conn.* 1898
- Brubaker, Albert P., A.M., M.D., LL.D.** Professor of Physiology and Medical Jurisprudence, Jefferson Medical Coll., Phila. Mem. Am. Physiol. Soc., Fell. Coll. of Phys. of Phila. *3426 Powelton Ave., Philadelphia.* 1895

# 8 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
<b>Brumbaugh, Martin Grove, M.E., D.Sc., A.M., Ph.D., LL.D., D.Litt.</b> Gov- ernor of Pennsylvania. Formerly Superintendent of Public Schools, Phila., Mem. Nat. Educational Assoc. <i>Executive Dep't, Harris- burg, Pa.</i>	1908
<b>Brush, Charles Francis, M.E., M.S., Ph.D., Sc.D., LL.D.</b> Mem. Am. Soc. of Mech. Eng., Am. Inst. Elec. Eng., Nat. Elec. Light Assoc., Am. Chem. Soc., Am. Phys. Soc., Brit. Assoc. of Mech. Eng., Roy. Soc. of Arts. <b>Medals</b> —Rumford (1899), Edison (1913). <i>481 The Ar- cade, Cleveland, O.</i>	1910
<b>Bryant, Henry G., M.A., LL.B.</b> Mem. Geog. Soc. of Phila. (Pres't), Am. Alpine Club (Pres't), Fell. Roy. Geog. Soc., Corr. Mem. Geog. Soc. of Geneva, Anthropol. and Geog. Soc. of Stockholm, Appa- lachian Mt. Club, Officier de l'Académie (France). <i>2013 Walnut St., Philadelphia.</i>	1898
<b>Bumpus, Hermon Carey, Ph.D., Sc.D., LL.D.</b> President of Tufts Col- lege. Mem. Am. Morphol. Soc. (Past-Pres't), Am. Soc. Zool., Am. Soc. Naturalists, N. Y. Acad. Sci., Fell. Am. Acad. Arts and Sci., K. K. Oest. Fisch. Gesell. (Vienna), Corr. Mem. Senckenberg. Naturforsch. Gesell. <i>Tufts College, Mass.</i>	1909
<b>Cadwalader, John, A.M., LL.D.</b> <i>263 S. Fourth St., Philadelphia.</i>	1899
<b>Campbell, Douglas Houghton, Ph.D.</b> Professor of Botany, Stanford University. Mem. Am. Botan. Soc. (Past-Pres't), Nat. Acad. Sci., Fell. Am. Acad. Arts and Sci., For. Mem. Linnean Soc., Deut. Botan. Gesell., Royal Soc. Edin., Internat. Botanical Soc. <i>Leland Stanford University, Cal.</i>	1910
<b>Campbell, William Wallace, M.S., Sc.D., LL.D.</b> Director of Lick Ob- servatory, University of California. Mem. Nat. Acad. Sci., A. A. A. S. (Past-Pres't), Am. Astron. Soc., Astron. Soc. of Pacific, Fell. Am. Acad. Arts and Sci., For. Assoc. Royal Astron. Soc. Lond., For. Mem. Soc. Spettros. Ital., Astron. gesell., Montpellier Acad. des Sci., Soc. Roy. des Sci. à Upsal, K. Svenska Vetenskaps Akad. (Stockholm), R. Acad. de Cien. Madrid. <b>Medals</b> —Lalande (Acad. des Sci. Paris, 1903); Royal Astron. Soc. (1905); Draper (Nat. Acad. Sci. 1906); Janssen (Acad. de Sci. Paris, 1910); Bruce (Astron. Soc. of Pacific 1915). <i>Lick Observatory, Mt. Hamil- ton, Cal.</i>	1903
<b>Cannon, Walter Bradford, A.M., M.D.</b> Professor of Physiology, Har- vard University. Mem. Nat. Acad. Sci., Am. Phys. Soc. (Past- Pres't), Soc. for Exper. Biol. and Med., Am. Psych. Assoc., Fell. Am. Acad. Arts and Sci. <i>Harvard Medical School, Boston, Mass.</i>	1908
<b>Carnegie, Andrew, Dr. Polit. Sci., LL.D.</b> Mem. Am. Geog. Soc., Am. Statist. Assoc., Hon. Mem. Astron. Gesell. at Treptow Sternwarte,	1902

Date of  
Election

Nat. Hist. Soc., Glasgow, Philos. Inst., Edin., Roy. Geog. Soc. of Australasia, Royal Inst. of Gt. Br. 2 East 91st St., New York City.

**Carrell, Alexis, M.D., Sc.D.** Mem. Rockefeller Inst. for Med. Research, 1909  
Fell. Am. Surg. Assoc., Nobel Laureate, Medicine (1912). *Rockefeller Institute for Medical Research, 66th St. and Avenue A, New York City.*

**Carson, Hampton Lawrence, M.A., LL.D.** Late Attorney-General of 1880  
Pennsylvania, Professor of Law in University of Pennsylvania, Chancellor of Law Assoc. of Phila., Mem. Penna. State Bar Assoc. (President), Am. Bar Assoc. (V.P.), Historical Soc. of Penna. (V.P.), Swedish Colonial Soc. 1524 Chestnut St., Philadelphia.

**Castle, William Ernest, A.M., Ph.D.** Professor of Zoology, Harvard 1910  
University. Mem. Nat. Acad. Sci., Boston Soc. Nat. Hist., Fell. Am. Acad. Arts and Sci. 186 Payson Road, Belmont, Mass.

**Castner, Samuel, Jr.** 3729 Chestnut St., Philadelphia. 1887

**Cattell, James McKeen, A.M., Ph.D., LL.D.** Mem. Nat. Acad. Sci., N. 1888  
Y. Acad. Sci. (Past-Pres't), Am. Psychol. Assoc. (Past-Pres't), Am. Soc. Naturalists (Past-Pres't). *Garrison-on-Hudson, N. Y.*

**Chamberlin, Thomas Chrowder, A.M., Sc.D., LL.D.** Professor and Head 1905  
of Dept. of Geology and Director of the Walker Museum, University of Chicago. Comm. Illinois Geol. Surv., Consulting Geologist U. S. Geol. Surv., Research Assoc. Carnegie Inst. of Wash., Mem. Nat. Acad. Sci., A. A. A. S. (Pres't, 1908), Chicago Acad. of Sci. (Pres't, 1898-1914), Illinois Acad. Sci. (Pres't, 1907), Geol. Soc. of Am. (Pres't, 1895). **Medals**—Paris Expos., 1878, 1893; Helen Culver (Chicago Geog. Soc., 1910). *Roscnwald Hall, University of Chicago, Chicago, Ill.*

**Chance, Henry Martyn, C.E., M.D.** Mem. Mining and Metal. Soc. Am. 1880  
(Pres't, 1913). 837 Drexel Bldg., Philadelphia.

**Chandler, Charles Frederick, A.M., Ph.D., LL.D.** Professor of Chemistry, Columbia University. Mem. Nat. Acad. Sci., Am. Chem. Soc. (Pres't, 1881-89), Brit. Soc. Chem. Indust. (Pres't, 1899), Chem. Soc. Lond., Deut. Chem. Gesell., Soc. Chim. de France, N. Y. Acad. Sci., Am. Inst. Elec. Eng., Am. Soc. Mining Eng. *Columbia University, New York City.*

**Cheyney, Edward Potts, A.M., LL.D.** Professor of European History, 1904  
University of Pennsylvania. Mem. Am. Hist. Assoc. 259 S. 41st St., Philadelphia.

**Chittenden, Russell H., Ph.D., LL.D., Sc.D.** Professor of Physiological 1904  
Chemistry, Sheffield Scientific School, Yale University. Mem. Nat. Acad. Sci., Am. Physiolog. Soc. (Past-Pres't), Am. Soc. Biolog. Chemists (Past-Pres't), Am. Soc. of Naturalists (Past-Pres't). 83 Trumbull St., New Haven, Conn.

- Clark, William Bullock, Ph.D., LL.D.** Professor of Geology, Johns Hopkins University, State Geol. of Maryland, Dir. (Maryland) Weather Service, Mem. Nat. Acad. Sci., Geol. Soc. Am., Assoc. of State Geologists (Past-Pres't), Washington Acad. Sci., Am. Inst. Mining Eng., Mining and Metallurg. Soc. Am., Fell. Am. Acad. Arts and Sci., For. Corr. Geol. Soc. of Lond., Deutsche Geolog. Gesell. *Johns Hopkins University, Baltimore, Md.* 1902
- Clarke, Frank Wigglesworth, S.B., D.Sc., LL.D.** Chief chemist U. S. Geological Survey, Hon. Curator of Minerals, U. S. Nat. Mus. Mem. Nat. Acad. Sci., Am. Chem. Soc. (Pres't, 1901), Philos. Soc. Wash. (Pres't, 1896), Washington Acad. Sci. (Pres't, 1912), Hon. V.P. of Internat. Chemical Congresses at Paris, Berlin and N. Y., Corr. Mem. Edinburgh Geol. Soc., Geol. Soc. Lond., Hon. Mem. Mineralog. Soc. Lond., Chem. Soc. Lond., Manchester Lit. and Philos. Soc., Imp. Soc. Naturalists, Moscow. **Medal**—Wilde, Manchester (1903). *U. S. Geological Survey, Washington, D. C.* 1904
- Clarke, John Mason, M.A., Ph.D., Sc.D., LL.D.** Director of Department of Science and State Museum, New York. Mem. Nat. Acad. Sci., Geol. Soc. Am. (Pres't). Palaeontological Soc. (Past-Pres't). **Medal**—Hayden (Acad. Nat. Sci., Phila.); Spindiaroff Prize (Internat. Geol. Cong.). *Albany, N. Y.* 1911
- Clay, Albert T., A.M., Ph.D., LL.D.** Professor of Assyriology and Babylonian Literature and Curator of Babylonian Collection, Yale University. Mem. Am. Orient. Soc., Soc. of Biblical Lit. and Exegesis, Vorderasiatischen Gesell. 401 *Humphrey St., New Haven, Conn.* 1912
- Collitz, Hermann, A.M., Ph.D., L.H.D.** Professor of Germanic Philology, Johns Hopkins University. Mem. Am. Orient. Soc., Am. Philol. Soc., Modern Lang. Assoc. of Am., Verein für Niederdeutsche Sprach., Deut. Morgenländ. Gesell. 1027 *N. Calvert St., Baltimore, Md.* 1902
- Comstock, John Henry, B.S.** Professor Emeritus of Entomology and General Invertebrate Zoology, Cornell University. Fell. Entomolog. Soc. of Am. (Past-Pres't), Hon. Mem. Calif. Acad. Sci., Ent. Soc. of Ont.; Soc. Ent. de Belgique, Mem. Soc. Ent. de France, Hon. Fell. Ent. Soc., Lond. 123 *Roberts Place, Ithaca, N. Y.* 1913
- Conklin, Edwin Grant, Ph.D., Sc.D.** Professor of Biology, Princeton University. Mem. Nat. Acad. Sci., Am. Soc. Nat. (Pres't, 1912); Am. Soc. Zool. (Pres't, 1899), Fell. Am. Acad. Arts and Sci. *Princeton, N. J.* 1897
- Coplin, W. M. Late, M.D.** Professor of Pathology, Jefferson Medical College, Phila. Mem. Assoc. Am. Phys., Assoc. Am. Path. and Bact., Am. Assoc. for Prevention of Tuberculosis, Fell. Coll. of Phys., Phila. 606 *S. 48th St., Philadelphia.* 1911

- Coulter, John Merle, A.M., Ph.D.** Professor and Head of Dept. of Botany, University of Chicago. Mem. Nat. Acad. Sci., Am. Bot. Soc. (Pres't, 1897-98, 1915-16), Illinois Acad. Sci. (Pres't, 1910), Chicago Acad. Sci. (Pres't, 1915), Assoc. Fell. Am. Acad. Arts and Sci., Corr. Fell. Bot. Soc. of Edin., For. Mem. Linnean Soc., Lond. *University of Chicago, Chicago, Ill.* 1915
- Crane, Thomas Frederick, A.M., Litt.D.** Professor Emeritus of Romance Languages and Literature, Cornell University. Mem. Royal Acad. Sci. and Arts, Palermo, Italy. *Ithaca, N. Y.* 1877
- Crile, George W., A.M., M.D., LL.D.** Professor of Surgery, Western Reserve University. Mem. Am. Surg. Assoc., Am. Assoc. Path. and Bact., Soc. Exper. Biol. and Med., Am. Physiol. Soc., Soc. Clin. Surg., Hon. F. R. C. S. (England). **Medal**—Alvarenga Prize (Coll. of Phys. of Phila.); Cartwright Prize (Columbia Univ.); Senn Prize (Am. Med. Assoc.). *1031 Prospect Ave., Cleveland, O.* 1912
- Cross, Whitman, B.S., Ph.D.** Geologist U. S. Geological Surv. Mem. Nat. Acad. Sci., Geol. Soc. Washington, Fell. Geol. Soc. Am., For. Assoc. Geol. Soc., London. *2138 Bancroft Place, Washington, D. C.* 1915
- Culin, Stewart.** Curator of Ethnology, Brooklyn Institute Museum. Corr. Mem. Real Acad. de la Historia, Royal Italian Anthropol. Soc., Svenska Sällskapet för Antrop. och Geog. *Brooklyn Institute Museum, Brooklyn, N. Y.* 1897
- Cushing, Henry Platt, Ph.D.** Professor of Geology, Western Reserve University, Cleveland, O. Mem. Geolog. Soc. Am. (V.P., 1915), N. Y. Acad. Sci. *Western Reserve University, Cleveland, O.* 1916
- DaCosta, John Chalmers, M.D.** Clinical Professor of Surgery, Jefferson Medical College, Phila. Fell. Coll. Phys. Phila., Mem. Am. Surg. Assoc. *2045 Walnut St., Philadelphia.* 1904
- Dall, William Healey, A.M., D.Sc., LL.D.** Geologist and Palaeontologist U. S. Geological Survey. Hon. Prof. Invert. Palaeont., Wagner Inst. of Sci., Phila. Mem. Nat. Acad. Sci., Boston Soc. Nat. Hist., Chicago Acad. Sci., Philos. Soc. Wash. (Pres't, 1894), Biolog. Soc. Wash. (Pres't, 1888-89), Fell. Am. Acad. Arts and Sci., For. Mem. K. K. Zoolog.-Bot. Gesell. in Wien, Corr. Mem. Geog. Gesell. Bremen, Gesell. für Erdkunde, Berlin, Svenska Sällsk. för Antrop. och Geog. Stockholm, Soc. Zoolog. de France, Geolog. Soc. Lond., Naturforsch. Gesell., Leipzig. *Smithsonian Institution, Washington, D. C.* 1897
- Daly, Reginald Aldworth, A.M., Ph.D.** Professor of Geology, Harvard University. Mem. Geolog. Soc. Am., Seismological Soc., Am. Fell. Am. Acad. Arts and Sci. *23 Hawthorn St., Cambridge, Mass.* 1913

# 12 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
<b>Dana, Edward S.</b> Professor of Physics, Yale University. <i>Mem. Nat. Acad. Sci. Yale University, New Haven, Conn.</i>	1896
<b>Davenport, Charles Benedict, S.B., Ph.D.</b> Director of Station for Experimental Evolution, Carnegie Institution of Washington, Cold Spring Harbor, N. Y. <i>Mem. Nat. Acad. Sci., Am. Zool. Soc., Assoc. of Naturalists (Past-Pres't), Eugenics Research Assoc. (Pres't), Boston Soc. Nat. Hist., Fell. Am. Acad. Arts and Sci. Cold Spring Harbor, Long Island, N. Y.</i>	1907
<b>Davis, Bradley Moore, A.M., Ph.D.</b> Professor of Botany, University of Pennsylvania. <i>Fell. Am. Acad. Arts and Sci., Mem. Am. Soc. Naturalists, Bot. Soc. Am. Botanical Laboratory, University of Pennsylvania, Philadelphia.</i>	1914
<b>Davis, William Morris, S.D., Ph.D.</b> Professor Emeritus of Geology, Harvard University. <i>Mem. Nat. Acad. Sci., Geol. Soc. of Am. (Pres't, 1911), Hon. Mem. Geographical Societies of Berlin, Vienna, Madrid, Rome, Budapest, Leipzig, Greifswald, Geneva, Neuchâtel, New York, Philadelphia, and Chicago. Corr. Mem. N. Y. Acad. of Sci., Acad. de Wissen., Berlin, Acad. des Sciences, Paris, and of Geographical Societies of London, Paris, Munich and Petrograd. 31 Hawthorn St., Cambridge, Mass.</i>	1899
<b>Day, Arthur L., Ph.D., Sc.D.</b> Director of the Geophysical Laboratory, Carnegie Institution of Washington. <i>Fell. Am. Acad. Arts and Sci., Mem. Nat. Acad. Sci., Geol. Soc., Am., Am. Phys. Soc., Am. Chem. Soc., Washington Acad. Sci., Philos. Soc., Wash. (Pres't, 1911), Deut. Physikal. Gesell., Deut. Bunsen Gesell., Hon. Mem. Acad. di Sci., Let. ed Arti degli Zelanti (Acireale, Italy). Geophysical Laboratory, Washington, D. C.</i>	1912
<b>Day, Frank Miles, B.S., M.A.</b> Lecturer on Architecture, University of Pennsylvania, and Harvard University, Supervising Architect Yale University. <i>Mem. Advisory Board of Archit., Johns Hopkins Univ., Fell. Am. Inst. of Archit. (Past-Pres't), Nat. Inst. of Arts and Letters, Corr. Mem. Russian Imp. Inst. of Archit., Hon. Corr. Mem. Roy. Inst. of Brit. Archit., Assoc. Nat. Acad. of Design. Mt. Airy P. O., Philadelphia.</i>	1899
<b>Dercum, Francis X., A.M., M.D., Ph.D.</b> Professor of Nervous and Mental Diseases, Jefferson Medical College, Philadelphia. <i>Fell. Coll. Phys. Phila., Mem. Phila. Neurol. Soc. (Pres't), Phila. Psychiatric Soc. (Past-Pres't), Am. Neurol. Soc. (Past-Pres't), Roy. Medical Soc., Budapest, Corr. Mem. Neurol. and Psychiat. Soc., Vienna, For. Corr. Mem. Neurolog. Soc., Paris. 1719 Walnut St., Philadelphia.</i>	1892
<b>Dewey, John, Ph.D., LL.D.</b> Professor of Philosophy, Columbia University. <i>Mem. Nat. Acad. Sci., Am. Psych. Assoc. (Past-Pres't), Am. Soc. Naturalists. Columbia University, New York City.</i>	1911

	Date of Election
Dixon, Samuel G., M.D., Sc.D., LL.D. Commissioner of Health of Pennsylvania. Fell. Coll. Phys., Phila., Mem. Acad. Nat. Sci., Phila. (Pres't). <i>Bryn Mawr, Pa.</i>	1892
Dolley, Charles S., M.D.	1886
Donaldson, Henry Herbert, A.B., Ph.D., D.Sc. Professor of Neurology, Wistar Institute of Anatomy and Biology, Philadelphia. Mem. Nat. Acad. Sci., Am. Psychol. Assoc., Am. Neurol. Assoc., Am. Physiol. Soc., Am. Soc. Naturalists, Am. Assoc. Anat. (Past-Pres't). <i>Wistar Institute, 36th St. and Woodland Ave., Philadelphia.</i>	1906
Doolittle, Charles L., C.E., Sc.D., LL.D. Professor Emeritus of Astronomy, University of Pennsylvania. Mem. Am. Astron. Soc., Astronom. Gesell. <i>4523 Pine Street, Philadelphia.</i>	1881
Doolittle, Eric, C.E. Professor of Astronomy, University of Pennsylvania. Fell. Royal Astron. Soc. <i>University of Pennsylvania, Philadelphia.</i>	1903
Dougherty, Thomas Harvey, B.S. <i>West School Lane, Germantown, Philadelphia.</i>	1899
Douglas, James, B.A., LL.D. Mem. Am. Inst. Mining Eng. (Past-Pres't), Canadian Mining Inst., Am. Geog. Soc., Royal Soc. Arts, Royal Inst. of Gt. Br., Mining and Metal. Soc. of Gt. Br., Iron and Steel Inst., Inst. of Mining and Metal., North of England Inst. Mining and Mechan. Eng. Medal—John Fritz (1915). <i>99 John St., New York City.</i>	1877
Draper, Daniel, Ph.D. Late Director, New York Meteorological Observatory, Central Park. <i>Hastings-on-Hudson, N. Y.</i>	1880
Duane, Russell, A.B., LL.B. Formerly Junior Council for the U. S. in Behring Sea Arbitration. <i>1617 Land Title Bldg., Philadelphia.</i>	1906
DuBois, Patterson. <i>401 S. 40th St., Philadelphia.</i>	1880
duPont, Hon. Henry Algernon. U. S. Senator (1906-17), Mem. Military Service Inst. Medals—Congressional, for distinguished gallantry during the battle of Cedar Creek. <i>Winterthur, Delaware.</i>	1894
duPont, Pierre Samuel, B.S. President of E. I. duPont de Nemours & Co. <i>duPont Bldg., Wilmington, Delaware.</i>	1917
Durand, William Frederick, Ph.D. Professor of Mechanical Engineering, Leland Stanford Jr. University. Mem. Nat. Acad. Sci., Am. Acad. Eng., Am. Soc. Mechan. Eng., Am. Soc. of Naval Architects and Marine Eng., Am. Soc. Naval Eng., Soc. Tech. Maritime, Assoc. Mem. Am. Inst. Elect. Eng. Medal—Gold, Am. Soc. Naval Eng. <i>Stanford University, California.</i>	1917
East, Edward Murray, M.S., Ph.D. Professor of Experimental Plant Morphology, Harvard University. Fell. Am. Acad. Arts and Sci.,	1916



	Date of Election
Am. Soc. Naturalists. <i>Bussey Institution, Jamaica Plain, Boston, Mass.</i>	
Eckfeldt, Jacob B. Assayer, U. S. Mint. Mem. Am. Chem. Soc. U. S. Mint, Philadelphia.	1880
Eddy, H. Turner, M.A., C.E., Ph.D., Sc.D., LL.D. Professor of Mathematics and Mechanics. College of Engineering, University of Minnesota. 916 S. E. Sixth St., Minneapolis, Minn.	1877
Edison, Thomas Alva, Ph.D., D.Sc. Llewellyn Park, Orange, N. J.	1896
Edmunds, Hon. George Franklin, A.M., LL.D. U. S. Senator 841 S. Orange Grove Ave., Pasadena, Cal.	1866-91. 1895
Edsall, David Linn, A.B., M.D., S.D. Professor of Clinical Medicine. Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Assoc. Am. Phys. 80 Marlborough St., Boston, Mass.	1906
Eigenmann, Carl H., A.M., Ph.D. Professor of Zoology. Indiana University. Mem. Ind. Acad. Sci. (Past-Pres't), Am. Micr. Soc. (Past-Pres't), Am. Soc. Naturalists, Wash. Acad. Sci. Bloomington, Ind.	1917
Eisenhart, Luther Pfahler, A.B., Ph.D. Professor of Mathematics, Princeton University. Mem. Am. Math. Soc. 22 Alexander St., Princeton, N. J.	1913
Eliot, Charles W., A.M., M.D., Ph.D., LL.D. President Emeritus of Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Mass. Hist. Soc., Corr. Mem. Acad. Moral and Polit. Sci. (Inst. de France), British Acad. 17 Fresh Pond Parkway, Cambridge, Mass.	1871
Emerson, Benjamin Kendall, A.M., Ph.D. Professor of Geology and Mineralogy. Amherst College. Fell. Am. Acad. Arts and Sci., Mem. Geol. Soc. Am. (Past-Pres't), Am. Geog. Soc., Wash. Acad. Sci., Deut. Geol. Gesell. Amherst, Mass.	1897
Emmet, William LeRoy, Sc.D. Engineer, General Electric Co. Mem. Am. Inst. Elect. Eng., Am. Soc. Mech. Eng., Am. Soc. Naval Eng. Medals—St. Louis Expos. for Vertical Shaft Turbine; San Francisco Expos. for Electric Ship Propulsion. Care of General Electric Co., Schenectady, N. Y.	1898
Ewell, Marshall Davis, A.M., M.D., LL.D. Mem. Am. Microscop. Soc. (Past-Pres't), Am. Phys. Soc., Fell. R. Microscop. Soc. (Lond.). Room 619, 155 N. Clark St., Chicago, Ill.	1895
Farlow, William Gilson, A.M., M.D., Ph.D. (Upsala), LL.D. (Harv., Glasgow and Wisconsin). Professor of Cryptogamic Botany, Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Nat. Acad. Sci. A. A. A. S. (Past-Pres't), Linnean Soc. Lond., Deut. Botan. Gesell., Botan. Soc. of Edinburgh. 24 Quincy St., Cambridge, Mass.	1905

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|---|---------------------|
| Field, Robert Patterson. <i>The Normandie, 36th and Chestnut Sts., Philadelphia.</i>  | 1890                |
| Fine, Henry Burchard, A.M., Ph.D., LL.D. Professor of Mathematics. Princeton University. Mem. Am. Math. Soc. (Pres't, 1911-12). <i>Library Place, Princeton, N. J.</i>  | 1897                |
| Fisher, Sydney George, B.A., Litt.D., LL.D. <i>576 Bourse Bldg., Philadelphia.</i>  | 1897                |
| Flexner, Simon, M.D., D.Sc., LL.D. Director of Laboratories, Rockefeller Institute for Medical Research, N. Y. Fell. N. Y. Acad. Med., Mem. Nat. Acad. Sci., Assoc. of Am. Phys. (Past-Pres't), Soc. Exper. Biology and Med. (Past-Pres't), Am. Assoc. of Path. and Bact., Corr. Mem. Medico-Chi. Soc. of Bologna, Soc. Path. Exotique, Imp. Inst. of Experiment. Therapy (Frankfort a/M). <i>Rockefeller Institute for Medical Research, 66th St. and Ave. A, New York City.</i> | 1901                |
| Fraley, Joseph Cresson, A.M. Mem. Am. Electrochem. Soc. <i>1815 Land Title Bldg., Philadelphia.</i>   | 1880                |
| Francke, Kuno, Ph.D., Litt.D., LL.D. Professor of the History of German Culture and Curator of Germanic Museum, Harvard University. Fell. Am. Acad. Arts and Sci. <i>Cambridge, Mass.</i>   | 1904                |
| Franklin, Edward Curtis, B.S., M.S., Ph.D. Professor of Organic Chemistry, Leland Stanford Jr. University. Mem. Wash. Acad. Sci., Calif. Acad. Sci., Nat. Acad. Sci., Am. Chem. Soc. <i>Stanford University, Cal.</i>   | 1912                |
| Frazier, Charles Harrison, B.A., M.D., Sc.D. Professor of Clinical Surgery, University of Pennsylvania. Mem. Am. Surg. Assoc., Am. Neurolog. Assoc., Soc. Clin. Surg. <i>1724 Spruce St., Philadelphia.</i>   | 1905                |
| Frost, Edwin Brant, A.M., D.Sc. (Cantab.). Professor of Astrophysics and Director of Yerkes Observatory, University of Chicago. Mem. Nat. Acad. Sci., Astron. Gesell., For. Assoc. R. Astron. Soc., Lond., For. Mem. Soc. Spettros. Ital., Hon. Mem. R. Astron. Soc. of Can., Fell. Am. Acad. Arts and Sci. <i>Yerkes Observatory, Williams Bay, Wis.</i>   | 1909                |
| Fullerton, George Stuart, M.A., B.D., Ph.D., LL.D. Professor of Philosophy, Columbia University, New York. Hon. Prof. Univ. Vienna, Mem. Am. Psycholog. Assoc. (Past-Pres't). <i>Leupoldstrasse 7, Munich, Bavaria.</i>   | 1890                |
| Fulton, John. <i>113 Park Place, Johnstown, Pa</i>  | 1873                |
| Furness, Horace Howard, Jr., A.B., Litt.D. Mem. Am. Inst. Arts and Letters. <i>2034 DeLancey Place, Philadelphia</i>  | 1897                |

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| <b>Furness, William Henry, 3d, A.B., M.D.</b> Fell. R. Geog. Soc., Anthropol. Inst. Gt. Br., Mem. Soc. de Geog. de France, Am. Orient. Soc. <i>Wallingford, Pa.</i>  | 1897                |
| <b>Gates, Merrill Edwards, A.M., Ph.D., LL.D., L.H.D.</b> President of Amherst College, 1890-99. <i>1309 Rhode Island Ave., Washington, D. C.</i>  | 1889                |
| <b>Gies, William J., Ph.D., Sc.D.</b> Professor of Biological Chemistry, Columbia University. Mem. Soc. Exper. Biol. and Med., Am. Soc. Biol. Chem., Am. Chem. Soc., Am. Physiol. Soc., Deut. Chem. Gesell., N. Y. Acad. Sci. <i>Columbia University, New York City.</i>   | 1915                |
| <b>Gilbert, Grove Karl, A.M., LL.D.</b> Geologist, U. S. Geological Survey, Fell. A. A. A. S. (Pres't, 1901), For. Fell. Lond. Geol. Soc., Mem. Nat. Acad. Sci., Geolog. Soc., Am. (Past-Pres't), Soc. of Am. Naturalists, Wash. Geolog. Soc., Philos. Soc. Wash. <b>Medals</b> —Wollaston (1899), Walker Grand Prize (Bost. Soc. Nat. Hist.), Nat. Geog. Soc., Am. Geog. Soc. <i>1919 16th St., Washington, D. C.</i> | 1902                |
| <b>Gildersleeve, Basil Lanneau, Ph.D., LL.D., Litt.D.</b> Professor of Greek, Johns Hopkins University. Hon. Mem. Cambridge Philol. Soc., Philol. Syllogos of Constantinople, Archaeolog. Soc. Athens, Soc. for Promotion of Hellenic Studies, Corr. Fell. British Acad., Mem. Am. Acad. Arts and Sci. <i>1002 N. Calvert St., Baltimore, Md.</i>  | 1903                |
| <b>Goethals, George Washington, LL.D.</b> Major-General U. S. A. (Retired). <i>43 Exchange Place, New York City.</i>   | 1913                |
| <b>Gooch, Frank Austin, A.M., Ph.D.</b> Professor of Chemistry and Director of the Kent Chemical Laboratory, Yale University. Fell. Am. Acad. Arts and Sci., Mem. Nat. Acad. Sci., Conn. Acad. Arts and Sci., N. Y. Acad. Sci., Am. Chem. Soc. <i>291 Edwards St., New Haven, Conn.</i>  | 1907                |
| <b>Goodale, George Lincoln, A.M., M.D., LL.D.</b> Professor Emeritus of Botany, Harvard University. Fell. Am. Acad., Arts and Sci., N. Y. Acad. Sci., Mem. A. A. A. S. (Past-Pres't), Nat. Acad. Sci., Calif. Acad. Sci., Bost. Soc. Nat. Hist. (Past-Pres't). <i>Cambridge, Mass.</i>   | 1893                |
| <b>Goodspeed, Arthur Willis, A.B., Ph.D.</b> Professor of Physics and Director of Physical Laboratory, University of Pennsylvania. Mem. N. H. Antiq. Soc. (Pres't), Am. Phys. Soc., Am. Roentgen Ray Soc. (Past-Pres't), Soc. of Arts, Lond., Soc. Fran. de Phys. <b>Medal</b> —Franklin (Boston, 1880). <i>University of Pennsylvania, Philadelphia.</i>  | 1896                |
| <b>Goodwin, Harold, A.M., LL.B.</b> Mem. Am. Acad. Pol. and Soc. Sci. <i>3927 Locust St., Philadelphia.</i>  | 1892                |
| <b>Gordon, George Byron, Sc.D.</b> Assistant Professor of Anthropology and Director of Museum, University of Pennsylvania. Mem. Am.  | 1910                |

Date of  
Election

- Anthrop. Assoc. *University Museum, 33d and Spruce Sts., Philadelphia.*
- Gorgas, William Crawford, M.D., Sc.D., LL.D.** Surgeon-General U. S. 1913  
A. Fell. Coll. Phys., Phila., N. Y. Acad. Med., Am. Med. Assoc.  
(Pres't. 1908-09), Am. Soc. Tropical Med. **Medals**—Mary Kings-  
ley (Liverpool School of Tropical Medicine, 1907); Gold (Am.  
Museum of Safety, 1914). *Surgeon-General's Office, U. S. A.,  
Washington, D. C.*
- Gray, Hon. George, A.M., LL.D.** U. S. Senator (1885-99). Mem. Paris 1900  
Peace Comm. 1898, Permanent Court of Internat. Arbitration,  
Judge U. S. Circuit Court of Appeals. 1899-1904. American-Mexi-  
can Joint Comm., 1916. *Wilmington, Del.*
- Greeley, Adolphus Washington.** Chief Signal Officer U. S. A. 1887- 1904  
1891. *1914 G St., N. W., Washington, D. C.*
- Green, Samuel Abbott, A.M., M.D., LL.D.** Mem. Mass. Historical Soc. 1893  
(V.P.). *Massachusetts Historical Society, Boston, Mass.*
- Greene, William Houston, A.M., M.D.** 2130 Spruce St., Philadelphia. 1879
- Greenman, Milton J., Ph.B., M.D., Sc.D.** Director of the Wistar Insti- 1899  
tute of Anatomy. Fell. Coll. Phys. Phila., Phila. Neurolog. Soc.,  
Am. Assoc. of Anat. 3618 Woodland Ave., Philadelphia.
- Griffith, J. P. Crozer, A.B., M.D., Ph.D.** Professor of Pediatrics, Uni- 1907  
versity of Pennsylvania. Mem. Assoc. Am. Phys., Am. Pediatric  
Soc. (Past-Pres't), Corr. Mem. Soc. de Pediatrie de Paris. 1810  
*Spruce St., Philadelphia.*
- Gummere, Francis Barton, A.B., Ph.D., LL.D., Litt.D.** Professor of 1903  
English Literature in Haverford College. Mem. Nat. Inst. Arts  
and Letters, Modern Language Assoc. of Am. (Pres't 1905-06).  
*Haverford, Pa.*
- Hadley, Arthur Twining, M.A., Ph.D., LL.D.** President of Yale Univer- 1902  
sity. Trustee Carnegie Fund for Adv. of Teaching, Mem. Inter-  
nat. Inst. of Statistics, Am. Economic Assoc. (Pres't. 1898-1900),  
Am. Acad. Arts and Letters. **Medal**—Paris Expos. (1889) for  
Advancement of Knowledge of Railroad Economics. *Yale Uni-  
versity, New Haven, Conn.*
- Hale, George Ellery, Sc.D., Ph.D., LL.D.** Director of Solar Observatory, 1902  
Carnegie Institution of Washington, Mt. Wilson, Cal. Fell. Royal  
Soc., Lond., Mem. Accad. dei Lincei (Rome), Amsterdam Acad.  
Sci., Vienna Acad. Sci., Corr. Mem. Inst. de France, Hon. Mem.  
Vienna Acad. Sci., Royal Soc., Upsala, Accad. Gioena, Catania,  
Soc. degli Spettros. Ital., Royal Inst., Gt. Brit., Physical Soc., Lond.,  
For. Assoc. Roy. Astron. Soc., Mem. Nat. Acad. Sci., N. Y. Acad.  
of Sci., Astron. and Astrophys. Soc. of Am. **Medals**—Janssen,

	Date of Election
Paris Acad. Sci. (1894); Rumford (1902); Draper (1903); Gold, Roy. Astron. Soc. (1904). <i>Solar Observatory Office, Pasadena, Cal.</i>	
Hall, Charles Edward. <i>Calle Glaceras 264, Guadalajara, Mexico.</i>	1875
Hall, Lyman Beecher, A.B., Ph.D. Professor of Chemistry, Haverford College. Mem. Am. Chem. Soc., Deut. Chem. Gesell. <i>Haverford College, Haverford, Pa.</i>	1885
Harper, Robert A., M.A., Ph.D. Professor of Botany, Columbia University. Mem. Nat. Acad. Sci., Bot. Soc. Am. (Pres't), Deut. Botan. Gesell., Phytopath. Soc. Am., Am. Acad. Arts and Sci. <i>Columbia University, New York City.</i>	1909
Harrison, Charles Custis, A.M., LL.D. Provost of the University of Pennsylvania, 1894-1911. <i>400 Chestnut St., Philadelphia.</i>	1895
Harrison, Ross G., M.A., Ph.D., M.D. Professor of Comparative Anatomy, Yale University. Mem. Nat. Acad. Sci., Am. Soc. Naturalists (Pres't, 1912-13), Am. Assoc. Anat. (Pres't, 1911-13), Am. Soc. Zool., Am. Physiol. Soc., Anat. Gesell., Inst. Internat. d'Embryol. Medal—Rainer (K. K. Zoolog. Botan. Gesell. of Vienna, 1914). <i>Osborne Zoological Laboratory, Yale University, New Haven, Conn.</i>	1913
Harshberger, John W., A.B., B.S., Ph.D. Professor of Botany, University of Pennsylvania. Fell. Am. Geog. Soc., Mem. Botan. Soc. of Am., Ecological Soc. of Am. <i>4839 Walton Ave., Philadelphia.</i>	1906
Hastings, Charles S., Ph.D. Professor of Physics, Sheffield Scientific School, Yale University. Mem. Nat. Acad. Sci., Am. Phys. Soc. <i>248 Bradley St., New Haven, Conn.</i>	1906
Haupt, Lewis M., A.M., Sc.D., LL.D. Mem. Am. Soc. Civil Eng., Am. Inst. Min. Eng., Soc. de Geog. Medals—Magellanic Premium (A. P. S. 1887), Paris Expos. (1900), St. Louis Expos. (1904). <i>Cynwyd, Pa.</i>	1878
Haupt, Paul, M.A., Ph.D., LL.D. Professor of Semitic Languages, Johns Hopkins University. Mem. Am. Orient. Soc. (Pres't, 1913-14), Soc. of Biblical Lit. and Exegesis. (Pres't, 1905-06), Soc. Biblical Arch. (Lond.), Deut. Morgenland. Gesell., Deut. Orient. Gesell., Vorderasiatische Gesell. <i>215 Longwood Road, Roland Park, Baltimore, Md.</i>	1902
Hawk, Philip Bovier, M.S., Ph.D. Professor of Physiological Chemistry and Toxicology, Jefferson Medical College, Philadelphia. Mem. Am. Chem. Soc., Am. Physiol. Soc., Am. Soc. Biol. Chemists, Soc. for Exp. Biol. and Med., Wash. Acad. Sci. <i>Jefferson Medical College, Philadelphia.</i>	1915

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| <b>Hayford, John F., C.E.</b> Director of the College of Engineering, Northwestern University. Mem. Nat. Acad. Sci., Astron. and Astrophys. Soc. of Am., Am. Soc. of Civil Eng., Western Soc. of Eng. <i>College of Engineering, Northwestern University, Evanston, Ill.</i>                                 | 1915                |
| <b>Hays, I. Minis, A.M., M.D.</b> Mem. Assoc. Am. Phys., Coll. Phys., Phila., Hon. Mem. Georgia Med. Soc. <i>266 S. 21st St., Philadelphia.</i>  | 1886                |
| <b>Herty, Charles Holmes, Ph.D., D.Chem.</b> Late Professor of Chemistry, University of North Carolina. Mem. Am. Chem. Soc. (Pres't, 1915), Chem. Soc., Lond., Soc. Chem. Industry, Am. Electrochem. Soc., Soc. Chim. de France, Deut. Chem. Gesell. <i>35 E. 41st St., New York City.</i>                   | 1917                |
| <b>Hewett, Waterman T., M.A., Ph.D.</b> Professor Emeritus of the German Language and Literature, Cornell University. Mem. Am. Philolog. Soc., Modern Lang. Assoc. of Am., Soc. of Frisian Hist., Antiq. and Philol., Mem. Extr. Soc. of Frisian Lang. and Lit. <i>Cornell University, Ithaca, N. Y.</i>     | 1893                |
| <b>Hibben, John Grier, M.A., Ph.D., LL.D., Litt.D.</b> President of Princeton University. <i>Princeton, N. J.</i>  | 1912                |
| <b>Hill, David Jayne, A.M., LL.D., Doct. ès Lettres.</b> Formerly Ambassador to Germany. Mem. Am. Hist. Soc., Am. Soc. Internat. Law, National Assoc. for Constitutional Govt. (Pres't). <i>1745 Rhode Island Ave., Washington, D. C.</i>  | 1910                |
| <b>Hillebrand, William Francis, Ph.D.</b> Chief Chemist U. S. Bureau of Standards. Mem. Nat. Acad. Sci., Am. Chem. Soc. (Pres't, 1906), Wash. Acad. Sci., Geolog. Soc., Wash., Am. Soc. for Testing Materials, Corr. Mem. K. Gesell. der Wissen. Göttingen. <i>2023 Newark St., N. W., Washington, D. C.</i> | 1906                |
| <b>Hiller, Hiram M., B.S., M.D.</b> <i>9th and Parker Sts., Chester, Pa.</i>   | 1897                |
| <b>Himes, Charles Francis, A.M., Ph.D., LL.D.</b> Professor (retired) of Physics, Dickinson College, Pa. Mem. N. Y. Acad. Sci., Maryland Acad. of Sci. <i>Carlisle, Pa.</i>  | 1874                |
| <b>Hirst, Barton C., A.B., M.D., LL.D.</b> Professor of Obstetrics, University of Pennsylvania. Fell. Coll. of Phys., Phila., Mem. Am. Gyn. Soc., Corr. Mem. Paris Obstet. and Gynecolog. Soc. <i>1821 Spruce St., Philadelphia.</i>   | 1899                |
| <b>Hitchcock, Charles Henry, A.M., Ph.D., LL.D.</b> New Hampshire State Geologist 1868-78. Mem. Portland Nat. Hist. Soc., Boston Soc. Nat. Hist., N. Y. Acad. Sci., St. Louis Acad. Sci. <i>P. O. Box 632, Honolulu, Hawaii.</i>   | 1870                |
| <b>Hobbs, William Herbert, D.Sc., A.M., Ph.D.</b> Professor of Geology and Director of Geological Laboratory, University of Michigan. Mem. Mich. Acad. Sci. (Pres't), Washington Acad. Sci. <i>University of Michigan, Ann Arbor, Mich.</i>  | 1909                |

	Date of Election
<b>Holland, James W., A.M., M.D., Sc.D.</b> Emeritus Professor of Medical Chemistry and Toxicology, Jefferson Medical College, Phila. Coll. Phys., Phila. 2006 Chestnut St., Philadelphia.	1886
<b>Holmes, William Henry.</b> Head Curator of Department of Anthropology, U. S. National Museum. Mem. Nat. Acad. Sci., Anthropol. Soc., Wash. (Pres't, 1900), Am. Folk-lore Soc., Archaeol. Inst. of Gt. Brit., Am. Anthropol. Assoc. (Pres't, 1909). <i>National Museum, Washington, D. C.</i>	1899
<b>Hopkins, Edward Washburn, A.M., Ph.D., LL.D.</b> Professor of Sanskrit and Comparative Philology, Yale University. Mem. Am. Orient. Soc. (Past-Pres't), Am. Philol. Assoc., German Orient. Soc., Royal Asiatic Soc., Fell. Am. Acad. Arts and Sci. 299 Lawrence St., New Haven, Conn.	1908
<b>Howard, Leland Ossian, M.D., Ph.D., LL.D.</b> Chief of Bureau of Entomology, U. S. Dept. of Agriculture. Curator of Insects U. S. Nat. Museum, Consulting Entomologist U. S. Public Health Service. <i>U. S. Department of Agriculture, Washington, D. C.</i>	1911
<b>Howe, Henry Marion, A.M., Sc.D., LL.D.</b> Professor Emeritus of Metallurgy, Columbia University. Fell. N. Y. Acad. Sci., Am. Acad. Arts and Sci., Am. Soc. for Testing Materials (Past-Pres't), Am. Inst. Mining Eng. (Past-Pres't), Internat. Assoc. for Testing Materials (Past-Pres't), Am. Iron and Steel Inst., Hon. Mem. Royal Swedish Acad. of Sci., Russian Imp. Tech. Soc., Russian Metallurg. Soc., Cleveland Inst. Eng. (Eng.), Inst. of Min. and Metallurg. (England), Soc. d'Encouragement pour l'Industrie Nationale (France), Knight of the Order of St. Stanislaus, Russia, Chevalier of Legion of Honor of France. <b>Medals</b> —Bessemer (Iron and Steel Inst. of Gt. Br.), Elliot Cresson (Franklin Inst. of Phila.), Gold, Verein zur Befoerderung des Gewerbf. (Berlin). <i>Broad Brook Road, Bedford Hills, N. Y.</i>	1897
<b>Howell, William Henry, A.B., M.D., Ph.D., Sc.D., LL.D.</b> Professor of Physiology, Johns Hopkins University. Mem. Nat. Acad. Sci., Am. Physiolog. Soc. (Past-Pres't). <i>Johns Hopkins Medical School, Baltimore, Md.</i>	1903
<b>Huber, G. Carl, M.D.</b> Professor of Anatomy and Director of Anatomical Laboratory, University of Michigan. Fell. Coll. Phys., Phila., Am. Physiol. Soc., Soc. Am. Naturalists, Am. Assoc. Path. and Bact., Am. Assoc. Anat. (Pres't, 1914-15). 1330 Hill St., Ann Arbor, Mich.	1912
<b>Hulett, George A., A.B., Ph.D.</b> Professor of Physics and Chemistry, Princeton University. Mem. Am. Chem. Soc., Am. Phys. Soc., Am. Electrochem. Soc. 44 Washington Road, Princeton, N. J.	1913
<b>Hutchinson, Emlen, A.B.</b> 308 Walnut St., Philadelphia.	1898

	Date of Election
<b>Iddings, Joseph Paxson, Ph.B., Sc.D.</b> Geologist U. S. Geological Survey. Mem. Nat. Acad. Sci., Geol. Soc., Am. Hon. Mem. N. Y. Acad. Sci. For. Mem. Geol. Soc., Lond., Scientific Soc. Christiania, Société de Minéral. <i>Brinklow, Md.</i>	1911
<b>d'In villiers, Edward Vincent.</b> Mem. Geol. Soc. Am., Mining and Metall. Soc. Am., Am. Inst. Mining Eng. <i>518 Walnut St., Philadelphia.</i>	1893
<b>Ives, Herbert E., B.S., Ph.D.</b> Physicist, United Gas Improvement Co. Mem. Am. Phys. Soc., Illum. Eng. Soc., Am. Inst. Elect. Eng., Am. Gas Inst. <b>Medals</b> —Longstreth (Franklin Inst., 1906 and 1914). <i>229 E. Meade St., Chestnut Hill, Philadelphia.</i>	1917
<b>Jackson, A. V. Williams, A.M., L.H.D., LL.D.</b> Professor of Indo-Iranian Languages, Columbia University, N. Y. Mem. Am. Oriental Soc. (Pres't, 1915-16). <i>Columbia University, New York City.</i>	1909
<b>James, Edmund Janes, A.M., Ph.D., LL.D.</b> President of University of Illinois. Mem. Am. Econ. Assoc., Am. Acad. Polit. and Soc. Sci. (Pres't, 1889-1901), Fell. Roy. Statist. Soc., Dublin, Soc. d'Econ. Polit., Paris. <i>University of Illinois, Urbana-Champaign, Ill.</i>	1884
<b>Jastrow, Morris, Jr., M.A., Ph.D., LL.D.</b> Professor of Semitic Languages, University of Pennsylvania. Mem. Am. Orient. Soc. (Pres't, 1914-15), Soc. of Biblical Lit. (Pres't, 1916). <i>248 S. 23d St., Philadelphia.</i>	1897
<b>Jayne, Henry LaBarre, A.B.</b> <i>1035 Spruce St., Philadelphia.</i>	1898
<b>Jennings, Herbert S., B.S., A.M., Ph.D., LL.D.</b> Professor of Zoology and Director of the Zoological Laboratory, Johns Hopkins University. Mem. Nat. Acad. Sci., Am. Soc. Zool. (Pres't, 1908), Am. Soc. Naturalists (Pres't, 1909), Fell. Am. Acad. Arts and Sci., Hon. Fell. Roy. Micros. Soc., Lond. <i>Johns Hopkins University, Baltimore, Md.</i>	1907
<b>Johnson, Alba B., A.B., LL.D.</b> President of the Baldwin Locomotive Works, Phila. Mem. Am. Acad. Polit. and Soc. Sci. <i>Rosemont, Pa.</i>	1911
<b>Johnson, Emory R., Litt.M., Ph.D., Sc.D.</b> Professor of Transportation and Commerce, University of Pennsylvania. Mem. Nat. Inst. of Social Sci., Assoc. of Am. Geog., Am. Economic Assoc., Am. Polit. Sci. Assoc., Am. Acad. Polit. and Soc. Sci. <i>Logan Hall, University of Pennsylvania, Philadelphia.</i>	1915
<b>Jordan, David Starr, M.S., M.D., Ph.D., LL.D.</b> Chancellor of Stanford University. Mem. Calif. Acad. Sci. (Past-Pres't), A. A. A. S. (Pres't, 1909-10), Biolog. Soc. Wash., Zoolog. Soc., Lond., Acad. Sci., Sweden. <b>Medals</b> —Fisheries Congress (Lond., 1883), and for Peace work (Tokio, 1911). <i>Stanford University, Cal.</i>	1905



## 22 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
Kane, Elisha Kent. <i>Silverside Kushequa, Pa.</i>	1883
Keane, Rt. Rev. John James. Archbishop of Dubuque. <i>Dubuque, Ia.</i>	1889
Keasbey, Lindley Miller, A.M., Ph.D., R.P.D. Professor of Political Science, University of Texas. <i>Box K, University Station, Austin, Tex.</i>	1899
Keen, Gregory Bernard, A.M., LL.D. <i>1300 Locust St., Philadelphia.</i>	1897
Keen, William W., M.D., Sc.D., Ph.D., LL.D. Emeritus Professor of Surgery, Jefferson Medical College. Fell. Coll. Phys., Phila. (Past-Pres't), Am. Surg. Assoc. (Past-Pres't), Am. Med. Assoc. (Past-Pres't), Hon. Fell. Roy. Coll. Surg. (England and Edinburgh), For. Corr. Mem. Soc. de Chirurgie de Paris, Soc. Belge de Chir., Clin. Soc., Lond., Deut. Gesell für Chir., Italian Surg. Soc., Palermo Surg. Soc., Berlin. Med. Gesell. <i>1729 Chestnut St., Philadelphia.</i>	1884
Keiser, Edward Harrison, M.S., Ph.D. Professor of Chemistry, National University, St. Louis. Mem. Deut. Chem. Gesell., Soc. Chem. Industry. Am. Chem. Soc. <i>534 Linden Ave., Clayton, St. Louis Co., Mo.</i>	1898
Keller, Harry F., Nat. Ph.D. (Strassb.), Sc.D. Principal Germantown High School, Phila. Mem. Am. Chem. Soc. <i>2313 Green St., Philadelphia.</i>	1900
Kemp, James Furman, A.B., E.M., D.Sc., LL.D. Professor of Geology, Columbia University. Fell. Geol. Soc. Am., N. Y. Acad. Sci. (Pres't, 1908 and 1911), Mem. Nat. Acad. Sci., Am. Inst. Mining Eng. (Pres't, 1912), Mining and Metal. Soc. Am. (Pres't, 1913), Wash. Acad. Sci. Corr. Mem. Geolog. Soc., Stockholm, Acad. Sci., Christiania, Soc. Cien. "Antonio Alzate," Mex., Soc. Geologico, Mex. Medal—Mining and Metal. Soc., Am. (1916). <i>Schermerhorn Hall, Columbia University, New York City.</i>	1912
Kennelly, Arthur Edwin, A.M., Sc.D. Director Research Division, Electrical Engineering Dep't, Massachusetts Institute of Technology. Mem. Inst. Electr. Eng., Am. Math. Soc., Am. Phys. Soc., Hon. Mem. N. Y. Electr. Soc., Nat. Electr. Light Assoc., Am. Electrotherap. Assoc. <i>Harvard University, Cambridge, Mass.</i>	1896
Kittredge, George Lyman, A.B., Litt.D., LL.D. Professor of English, Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Mass. Hist. Soc., Am. Antiq. Soc., Am. Philol. Soc., Hon. Fell. Roy. Soc. Lit., Corr. Fell. Brit. Acad. <i>8 Hilliard St., Cambridge, Mass.</i>	1905
Kraemer, Henry, Ph.D., Ph.M. Professor of Botany and Pharmacognosy, Philadelphia College of Pharmacy. Mem. Internat. Botan. Soc., Bot. Soc. of Am., Am. Soc. of Nat. Corr. Mem. Soc. de Pharm. de Paris. <i>424 S. 44th St., Philadelphia.</i>	1899

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|---|---------------------|
| Lambert, Preston Albert, M.A. Professor of Mathematics, Lehigh University. Mem. Am. Math. Soc., Math. Assoc., Am. Centre St., Bethlehem, Pa.  | 1904                |
| Landreth, Burnet. Hon. Mem. Imp. Agric. Soc., Japan, Roy. Hort. Soc., Lond., Soc. des Agric. de France. Bristol, Pa.  | 1878                |
| Lanman, Charles R., A.B., Ph.D. LL.D. Professor of Sanskrit, Harvard University. Fell. Am. Acad. Arts and Sci., Am. Philol. Assoc., Am. Orient. Soc. (Pres't, 1907). For. Mem. Roy. Bohem. Soc. of Sci. Hon. Mem. Asiatic Soc. of Bengal, Roy. Asiatic Soc., Soc. Asiatique, Paris, Deut. Morgenland. Gesell. Corr. Mem. Roy. Soc. of Sci., Göttingen, Imp. Acad. Sci., Russia, Acad. des Inscript. et Belles Lettres. 9 Farrar St., Cambridge, Mass. | 1906                |
| Lea, Arthur H., A.B. 960 Drexel Building, Philadelphia.   | 1912                |
| LeConte, Robert Grier, A.B., M.D. Fell. Coll. Phys., Phila., Mem. Am. Surg. Assoc. (Pres't, 1916), Am. Coll. Surgeons, Soc. Clin. Surg., Int. Soc. of Surg. 1530 Locust St., Philadelphia.  | 1905                |
| Lewis, John Frederick, A.M. President of the Pennsylvania Academy of the Fine Arts. 1914 Spruce St., Philadelphia.  | 1909                |
| Libbey, William, M.A., Sc.D. Professor of Physical Geography, Princeton University. Mem. Am. Geog. Soc., N. Y. Acad. Sci., Boston Soc. Nat. Hist., Roy. Geol. Soc., Lond., Geol. Soc. of Am., Soc. of Am. Naturalists. Fell. Roy. Geog. Soc. Princeton, N. J.   | 1897                |
| Lillie, Frank Rattray, B.A., Ph.D. Chairman, Department of Zoology, University of Chicago. Mem. Am. Soc. of Zoologists (Past-Pres't), Am. Soc. Naturalists (Pres't, 1914). Nat. Acad. Sci. University of Chicago, Chicago, Ill.   | 1916                |
| Lindgren, Waldemar, M.E., D.Sc. Professor of Economic Geology, Massachusetts Institute of Technology. Mem. Nat. Acad. Sci., Am. Inst. Mining Eng., Min. and Metallurg. Soc., Am., Wash. Acad. Sci. Fell. Am. Acad. Arts and Sci. Corr. Mem. Geol. Soc., Sweden, Mineralog. Soc., Russia. Massachusetts Institute of Technology, Cambridge, Mass.  | 1917                |
| Lingelbach, William E., B.A., Ph.D. Professor of Modern European History, University of Pennsylvania. Mem. Am. Hist. Assoc., Geog. Soc. of Phila. (Pres't, 1915-1916). 4304 Osage Ave., Philadelphia.   | 1916                |
| Loeb, Jacques, M.D., Ph.D., Sc.D. Member of Rockefeller Institute for Medical Research, Nat. Acad. Sci., Wash. Acad. Sci., Am. Physiol. Soc., Am. Soc. Biol. Chem. Fell. Am. Acad. Arts and Sci., Corr. Mem. Acad. des Science de Paris, Acad. Sci., Krakau, Soc. de Biol., Paris, Senckenberg. Nat. Gesell. Frankfurt a/M.,  | 1899                |

# 24 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
Physik-Med. Gesell., Erlangen, Med. Gesell., Wien, Med. Gesell., Budapest. For. Mem. Linnean Soc., Lond., Acad. Roy. des Sci., Brussels. Hon. Mem. Acad. Roy. de Med., Brussels, Soc. Imp. des Amis des Sci. Nat., Moscow, Cambridge Philos. Soc., England. <i>Rockefeller Institute for Medical Research, 66th St. and Ave. A, New York City.</i>	
<b>Loeb, Leo, M.D. (Zurich).</b> Professor of Comparative Pathology, Washington University, St. Louis. Mem. Am. Physiol. Soc., Am. Soc. Exper. Path., Soc. Exper. Biol. and Med., Assoc. Am. Phys., Am. Assoc. of Path. and Bact. (Past-Pres't), Am. Assoc. for Cancer Research (Past-Pres't). <i>Washington University Medical School, St. Louis, Mo.</i>	1910
<b>Lovett, Edgar Odell, A.M., Ph.D., LL.D.</b> President of the Rice Institute. Fell. Royal Astron. Soc. Mem. Am. Math. Soc. and of Math. Societies of France, London and Palermo, Nat. Inst. of Social Sciences, Am. Acad. of Polit. Sci. <i>Rice Institute, Houston, Tex.</i>	1904
<b>Lowell, Abbott Lawrence, A.B., LL.B., LL.D., Ph.D.</b> President of Harvard University. <i>Harvard University, Cambridge, Mass.</i>	1909
<b>Lyman, Benjamin Smith, A.B.,</b> Mem. Am. Inst. Min. Eng., Hon. Mem. Mining Inst., Japan. <i>708 Locust St., Philadelphia.</i>	1869
<b>Mabery, Charles Frederic, Sc.D.</b> Emeritus Professor of Chemistry, Case School of Applied Science. Fell. Am. Acad. Arts and Sci., Mem. Am. Chem. Soc. <i>Case School of Applied Science, Cleveland, O.</i>	1897
<b>McCay, LeRoy Wiley, M.A., D.Sc.</b> Professor of Chemistry, Princeton University. Mem. Am. Inst. Mining Eng., Am. Chem. Soc., Chem. Soc. of Lond. <i>Princeton, N. J.</i>	1897
<b>McClung, Clarence E., A.M., Ph.D.</b> Professor of Zoology, University of Pennsylvania. <i>Swarthmore, Pa.</i>	1913
<b>McClure, Charles Freeman Williams, A.M., D.Sc.</b> Professor of Zoology, Princeton University. Mem. Am. Soc. of Naturalists, Am. Zool. Soc., Assoc. Am. Anat., Anatom. Gesell. <i>Princeton University, Princeton, N. J.</i>	1897
<b>McCrae, Thomas, B.A., M.D.</b> Professor of Medicine, Jefferson Medical College, Philadelphia. Fell. Roy. Coll. Phys. Lond., Coll. Phys. Phila. Mem. Assoc. Am. Phys., Roy. Coll. Surg. End. <i>1627 Spruce St., Philadelphia.</i>	1914
<b>McCreath, Andrew S.</b> Mem. Am. Inst. Min. Eng., Min. and Metal. Soc. Am., Iron and Steel Inst. (Gt. Br.). <i>121 Market St., Harrisburg, Pa.</i>	1879

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| <b>McDaniel, Walton Brooks, A.M., Ph.D.</b> Professor of Latin, University of Pennsylvania. Mem. Am. Philol. Assoc., Classical Assoc. of Atlantic States, Arch. Inst. of Am. 264 S. 44th St., Philadelphia.  | 1917                |
| <b>MacDougal, Daniel Trembly, M.A., Ph.D., LL.D.</b> Director of Department of Botanical Research, Carnegie Institution of Washington. Mem. Botan. Soc. of Am., Soc. for Exp. Biol. and Med., Soc. of Am. Naturalists (Pres't, 1910), Hollandsche Maatschap. Van Wetenschap. (Haarlem). <i>Desert Laboratory, Tucson, Arizona.</i>   | 1916                |
| <b>Macfarlane, John Muirhead, B.S., D.Sc. (Edin.).</b> Professor of Botany and Director of the Botanic Garden, University of Pennsylvania. Fell. Roy. Soc., Edinburgh, Corr. Mem. Botan. Soc., Edin., Mem. Soc. for Plant Morph. (Pres't, 1898-99). <i>Botanical Hall, University of Pennsylvania, Philadelphia.</i>   | 1892                |
| <b>MacLaurin, Richard Cockburn, M.A., Sc.D., LL.D.</b> President of Massachusetts Institute of Technology. Fell. Am. Acad. Arts and Sci., Mem. Am. Phys. Soc., Am. Math. Soc., Lond. Math. Soc., New Zealand Philos. Soc. <i>Massachusetts Institute of Technology, Cambridge, Mass.</i>   | 1910                |
| <b>Magie, William Francis, A.M., Ph.D., LL.D.</b> Professor of Physics, Princeton University. Mem. Am. Phys. Soc. (Past-Pres't). <i>Princeton, N. J.</i>   | 1896                |
| <b>Mall, Franklin P., M.A., M.D., Sc.D., LL.D.</b> Professor of Anatomy, Johns Hopkins University, Director of Dept. of Embryology, Carnegie Institution. Fell. Am. Acad. Arts and Sci., Coll. of Phys., Phila. Mem. Nat. Acad. Sci., Assoc. Am. Anat. (Pres't, 1905-07), Soc. for Exper. Biology and Med., Am. Soc. Physiol., Am. Soc. of Zool., Inst. Nat. de Embryologie. 1514 Bolton St., Baltimore, Md. | 1906                |
| <b>Manly, John Matthews, A.M., Ph.D., LL.D., Litt.D.</b> Professor of English, University of Chicago. Mem. Modern Lang. Assoc. of Am., Am. Philol. Soc. 1312 E. 53d St., Chicago, Ill.   | 1912                |
| <b>Mansfield, Ira F.</b> 108 College Ave., Beaver, Pa.   | 1878                |
| <b>Mark, Edward Laurens, A.M., Ph.D., LL.D.</b> Professor of Anatomy and Director of Zoological Laboratory, Harvard University. Dir. of Bermuda Biol. Sta. for Research, Fell. Soc. Biolog. Chem. (Lond.), Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Anatom. Gesell., Boston Soc. Nat. Hist., K. Böhm. Gesell. d. Wissen. (Prag.), Soc. Roy. Zool. et Malacol. Belge. 109 Irving St., Cambridge, Mass.   | 1907                |
| <b>Marshall, John, M.D., Nat. Sc.D., LL.D.</b> Professor of Chemistry and Toxicology, University of Pennsylvania. Mem. Am. Chem. Soc., Am. Physiolog. Soc., Am. Soc. Biolog. Chem., Fell. Coll. of Phys. of Phila. 1718 Pine St., Philadelphia.  | 1886                |

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| <b>Marvin, Charles F., M.E.</b> Chief of U. S. Weather Bureau. Mem. Philos. Soc. of Wash. (Pres't, 1903-04), Wash. Acad. Sci., Seismological Soc. of Am., Am. Phys. Soc. <i>U. S. Weather Bureau, Washington, D. C.</i>  | 1916                |
| <b>Mason, William Pitt, C.E., Sc.D., M.D., LL.D.</b> Professor of Chemistry, Rensselaer Polytechnic Institute, Troy, N. Y. Mem. Am. Chem. Soc., Am. Soc. Civ. Eng., Am. Waterworks Assoc. (Past-Pres't). Am. Inst. of Chem. Eng., Roy. Sanitary Inst. (Lond.). Hon. Mem. Assoc. Gen. Hygien. Munic. (Paris). <i>Troy, N. Y.</i>  | 1896                |
| <b>Matthew, William Diller, A.M., Ph.D.</b> Curator of American Museum of Natural History. Fell. N. Y. Acad. Sci. Mem. Geolog. Soc. of Am., Palaeontological Soc. <i>American Museum of Natural History, 77th St. and Central Park, W., New York City.</i>   | 1914                |
| <b>Matthews, Albert, A.B.</b> Fell. Am. Acad. Arts and Sci. Mem. Am. Antiq. Soc., Am. Geog. Soc., Am. Dialect Soc., Am. Hist. Assoc., Am. Folk-lore Soc., Colonial Soc. of Mass., Mass. Histor. Soc. Corr. Mem. Maine, Virginia and Wisconsin Histor. Societies. <i>Hotel Oxford, Boston, Mass.</i>  | 1899                |
| <b>Mayer, Alfred Goldsborough, M.E., Sc.D.</b> Director of Department of Marine Biology, Carnegie Institution of Washington, Lect. in Biology, Princeton Univ. Mem. Nat. Acad. Sci., Zoolog. Soc. of Am., Wash. Acad. Sci., Bost. Soc. Nat. Hist. <i>276 Nassau St., Princeton, N. J.</i>  | 1914                |
| <b>Meigs, William M., A.M., M.D.</b> <i>460 Drexel Bldg., Philadelphia.</i>  | 1901                |
| <b>Meltzer, Samuel James, M.D., LL.D.</b> Head of Department of Physiology and Pharmacology, Rockefeller Institute for Medical Research. Mem. German Imp. Acad. Sci., Nat. Acad. Sci., Am. Physiol. Soc. (Pres't, 1911-13), Am. Soc. for Pharmacology, Am. Soc. for Exp. Path., Assoc. of Am. Phys. (Pres't, 1915), Soc. for Exp. Biol. and Med. (Pres't, 1904-05), Am. Soc. for Adv. of Clinical Research (Pres't, 1909), Assoc. of Am. Pathol., Am. Soc. of Naturalists. Fell. N. Y. Acad. Sci., N. Y. Acad. Med. <i>13 W. 121st St., New York City.</i> | 1914                |
| <b>Mendel, Lafayette B., M.A., Ph.D., Sc.D.</b> Professor of Physiological Chemistry, Sheffield Scientific School, Yale University. Mem. Am. Chem. Soc., Am. Physiol. Soc., Am. Soc. of Biol. Chem. (Pres't, 1911), Am. Soc. of Naturalists, Conn. Acad. Arts and Sci., Nat. Acad. Sci., Soc. Exper. Biol. and Med. <i>18 Trumbull St., New Haven, Conn.</i>   | 1916                |
| <b>Mendenhall, Thomas Corwin, Ph.D., D.Sc., LL.D.</b> Super't U. S. Coast and Geod. Surv., 1899-1904. Fell. Am. Acad. Arts and Sci., Mem. Nat. Acad. Sci., A. A. A. S. (Pres't, 1889). <b>Medals</b> —Am. Geog. Soc. (1901); Nat. Education Soc. of Japan (1911). <i>Ravenna, O.</i>   | 1899                |

- Date of  
Election
- Mercer, Henry Chapman, A.B., Sc.D.** Mem. Ecole d'Anthrop., Paris. 1895  
*Doylestown, Bucks Co., Pa.*
- Merriam, C. Hart, M.D.** Research Associate, Smithsonian Institution, 1902  
Washington. 1919 16th St., Washington, D. C.
- Merriam, John C., B.S., Ph.D.** Professor of Palaeontology and His- 1914  
torical Geology, University of California. Fell. Geol. Soc. of Am..  
Am. Palaeont. Soc., Mem. Palaeont. Gesell., Wash. Acad. Sci. 2401  
*Bowditch St., Berkeley, Cal.*
- Merriman, Mansfield, Ph.D., Sc.D., LL.D.** Late Professor of Civil En- 1881  
gineering, Lehigh University. Mem. Am. Soc. Civil Eng., Am.  
Soc. Testing Materials (Pres't, 1915-16), Am. Math. Soc. 1071  
*Madison Ave., New York City.*
- Michelson, Albert Abraham, Ph.D., Sc.D., LL.D.** Professor and Head 1902  
of Department of Physics, University of Chicago. Fell. Roy.  
Soc., Roy. Astron. Soc., Am. Acad. Arts and Sci. Mem. Nat.  
Acad. Sci., Am. Phys. Soc. (Pres't, 1900), Soc. Française de  
Physique. For. Mem. R. Acad. dei Lincei, K. Svenska Vetenskaps.  
Akad., Soc. Holland. des Sci. Corr. Mem. Acad. des Sci. de Paris.  
Hon. Mem. Roy. Institution, Cam. Philos. Soc. **Medals**—Nobel  
Laureate, Physics, 1907; Rumford (1889); Grand Prix (Paris,  
1900); Matteucci (Soc. Ital., Rome, 1904); Copley (Roy. Soc.,  
Lond., 1907). *University of Chicago, Chicago, Ill.*
- Miller, John Anthony, A.M., Ph.D.** Professor of Mathematics and As- 1915  
tronomy, Swarthmore College. Mem. Am. Math. Soc., Am.  
Astron. Soc., Ind. Acad. Sci. *Swarthmore College, Swarthmore,*  
*Pa.*
- Miller, Leslie W.** Principal of Pennsylvania Museum and School of 1899  
Industrial Art, Philadelphia. 320 S. Broad St., Philadelphia.
- Millikan, Robert Andrews, A.B., Ph.D., Sc.D.** Professor of Physics, 1914  
University of Chicago. Fell. Am. Acad. Arts and Sci. Mem. Nat.  
Acad. Sci., Am. Phys. Soc. (Pres't). **Medal**—Comstock (National  
Acad., 1913). *University of Chicago, Chicago, Ill.*
- Moore, Clarence B., A.B.** Mem. Anthropol. Inst. of Am., Arch. Inst. of 1897  
Am., Am. Anthropol. Assoc. Corr. Mem. Roy. Acad. of Letters,  
Hist. and Antiq. (Stockholm); Soc. des Americanistes, Paris. Soc.  
Scientif. Argentina, Berlin, Gesell. für Anthropol., Eth., and Urgesch.  
Hon. Mem. Anthropol. Soc., Wash., Wis. Nat. Hist. Soc., Soc. of  
Anthropol. and Geog. (Stockholm). 1321 Locust St., Philadelphia.
- Moore, Eliakim Hastings, A.B., Ph.D., LL.D., Sc.D., Math.D.** Professor 1905  
of Mathematics, University of Chicago. Fell. Am. Acad. Arts and  
Sci., Mem. Am. Math. Soc. (Pres't, 1901-03). Nat. Acad. Sci.  
*University of Chicago, Chicago, Ill.*

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| <b>Moore, George Thomas, A.M., Ph.D.</b> Director of the Missouri Botanical Garden. Mem. Wash. Acad. Sci., St. Louis Acad. Sci., Botan. Soc. of Am., Soc. of Am. Bacteriologists. <i>Missouri Botanical Garden, St. Louis, Mo.</i>  | 1905                |
| <b>Moore, John Bassett, LL.D.</b> Professor of International Law and Diplomacy, Columbia University. Mem. of the Permanent Court at the Hague, Inst. de droit Internat., Inst. Colon. Nac., Hispanic Soc. of Am. 267 W. 73d St., New York City.   | 1907                |
| <b>Morgan, Thomas Hunt, B.S., Ph.D., LL.D.</b> Professor of Experimental Zoology, Columbia University. Mem. Nat. Acad. Sci., Soc. Am. Naturalists, Am. Soc. Zool., N. Y. Acad. Sci., Soc. for Exp. Biol. and Med. 409 W. 117th St., New York City.  | 1915                |
| <b>Morley, Edward W., A.M., LL.D.</b> Professor Emeritus of Chemistry, Western Reserve University, Cleveland. Hon. Mem. Nat. Acad. Sci., A. A. A. S. (Past-Pres't), Am. Chem. Soc. (Past-Pres't), Roy. Inst. Gt. Br. For. Mem. Chem. Soc., Lond. Fell. Am. Acad. Arts and Sci. Medals—Davy (Royal Soc., 1907); Elliot Cresson (Franklin Institute, Philada., 1912). West Hartford, Conn.  | 1903                |
| <b>Morley, Frank, A.M., Sc.D.</b> Professor of Mathematics, Johns Hopkins University. Mem. Am. Math. Soc., Math. Soc., Lond., Circolo Matemat. di Palermo. Johns Hopkins University, Baltimore, Md.   | 1897                |
| <b>Morris, Harrison Smith.</b> Mem. Nat. Inst. Arts and Letters. Oak Lane Post Office, Philadelphia.  | 1899                |
| <b>Morris, James Cheston, A.M., M.D.</b> Fell. Coll. of Phys., Phila. 1514 Spruce St., Philadelphia.  | 1883                |
| <b>Morse, Edward S., A.M., Ph.D.</b> Director of Peabody Museum, Salem, Mass. Fell. A. A. A. S. (Pres't, 1885), Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Am. Soc. Naturalists, Am. Soc. Morph., Am. Antiq. Soc., Am. Anthropol. Assoc., Am. Oriental Soc., Boston Soc. Nat. Hist. (Past-Pres't). Corr. Mem. N. Y. Acad. Sci., Soc. of Anthropol. and Geog. (Stockholm), Anthropol. Soc. of Berlin, Japan Soc. of Lond. Hon. Mem. Tokyo Zool. Soc. Salem, Mass. | 1895                |
| <b>Morse, Harmon Northrop, A.B., Ph.D., LL.D.</b> Professor of Chemistry, Johns Hopkins University. Mem. Nat. Acad. Sci. Fell. Am. Acad. Arts and Sci. For. Mem. Prov. Utrecht Genootsch. van Kunst. en Wetensch. Medal—Avogadro. Homewood Apartments, Baltimore, Md.   | 1903                |
| <b>Moulton, Forest Ray, A.B., Ph.D.</b> Professor of Astronomy, University of Chicago, Research Assoc. Carnegie Institution of Washington. Mem. Nat. Acad. Sci., Am. Math. Soc. Fell. Roy. Astron. Soc. University of Chicago, Chicago, Ill.  | 1916                |

- |  | Date of<br>Election |
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| <b>Munro, Dana Carlton, A.M., L.H.D.</b> Professor of Medieval History, Princeton University. Mem. Am. Hist. Soc., Wis. Acad. Arts and Sci. 119 <i>Fitz Randolph Road, Princeton, N. J.</i>  | 1901                |
| <b>Munroe, Charles Edward, S.B., Ph.D., LL.D.</b> Professor of Chemistry, George Washington University. Mem. Am. Chem. Soc. (Past-Pres't). U. S. Naval Inst., Deut. Chem. Gesell., Soc. of Chem. Ind., Am. Inst. Mining Eng. <i>George Washington University, 1325 H St., N. W., Washington, D. C.</i>   | 1891                |
| <b>Murdock, Joseph B.</b> Rear-Admiral U. S. Navy. <i>Danbury, N. H.</i>   | 1886                |
| <b>Newbold, William Romaine, A.B., Ph.D.</b> Professor of Intellectual and Moral Philosophy. University of Pennsylvania. Mem. Am. Psychol. Assoc. Corr. Mem. Soc. for Psych. Research. <i>College Hall, University of Pennsylvania, Philadelphia.</i>  | 1909                |
| <b>Nichols, Edward Leamington, B.S., Ph.D., LL.D., D.Sc.</b> Professor of Physics, Cornell University. Mem. Nat. Acad. Sci., Am. Physical Soc. (Past-Pres't), A. A. A. S. (Past-Pres't), Am. Inst. Elec. Eng., Ill. Eng. Soc. Fell. Am. Acad. Arts and Sci. 5 <i>South Ave., Ithaca, N. Y.</i>   | 1904                |
| <b>Nichols, Ernest Fox, M.A., Sc.D., LL.D.</b> Professor of Physics, Yale University. Mem. Nat. Acad. Sci., Am. Astron. Soc. Fell. Am. Acad. Arts and Sci. <b>Medal</b> —Rumford (1905). <i>Sloane Laboratory, New Haven, Conn.</i>  | 1906                |
| <b>Nipher, Francis E., B.S., A.M., LL.D.</b> Professor Emeritus of Physics. Washington University, St. Louis. Mem. Am. Phys. Soc., Acad. of Sci., St. Louis (Past-Pres't), Soc. Franç. de Physique. <i>Kirkwood, St. Louis Co., Missouri.</i>  | 1907                |
| <b>Norris, Isaac, M.D.</b> Fell. Coll. of Phys., Phila. <i>Fair Hill, Bryn Mawr, Pa.</i>   | 1872                |
| <b>Noyes, Arthur A., Ph.D., Sc.D., LL.D.</b> Director of the Research Laboratory of Physical Chemistry and Professor of Theoretical Chemistry, Massachusetts Institute of Technology. Mem. Nat. Acad. Sci. Fell. Am. Acad. Arts and Sci. <b>Medal</b> —Willard Gibbs (Am. Chemical Soc., 1915). <i>Massachusetts Institute of Technology, Cambridge, Mass.</i> | 1911                |
| <b>Noyes, William Albert, A.B., B.S., Ph.D., LL.D.</b> Director of Chemical Laboratory, University of Illinois. Mem. Nat. Acad. Sci., Am. Chem. Soc., Deut. Chem. Gesell. <b>Medal</b> —Nichols (1908). 1005 <i>Necada St., Urbana, Ill.</i>   | 1914                |
| <b>Nuttall, Zelia.</b> Hon. Professor of Archaeology, National Museum, Mexico. <i>Care of Bank of California, San Francisco, Cal.</i>  | 1895                |
| <b>Ortmann, Arnold E., Ph.D., Sc.D.</b> Professor of Physical Geography, University of Pittsburgh. Curator Invert. Zool., Carnegie Mus.,   | 1897                |



- Pittsburgh. Mem. Ecological Soc. of Am., Deut. Zoolog. Gesell., K. Leopold.-Carolin. Deut. Acad. der Naturforsch. *Carnegie Museum, Pittsburgh, Pa.*
- Osborn, Henry Fairfield, Sc.D., Ph.D., LL.D.** Research Professor of Zoology, Columbia University, President Am. Museum Nat. Hist. Mem. Nat. Acad. Sci., Am. Soc. of Naturalists (Past-Pres't), Am. Morpholog. Soc. (Past-Pres't), N. Y. Acad. Sci., Wash. Acad. Sci. Fell. Am. Acad. Arts and Sci. Hon. Mem. Geological, Zoological and Linnean Societies (Lond.), Literary and Philos. Soc. of Manchester, Imp. Soc. of Nat. (Moscow), Roy. Bavar. Acad. Sci., Senckenberg. Naturforsch. Gesell. Hon. Fell. Roy. Soc. Edinb., Roy. Acad. Sci. (Sweden). **Medal**—Hayden (Acad. Nat. Sci., Phila.). *American Museum of Natural History, New York City.* 1887
- Osgood, William Fogg, A.M., Ph.D., LL.D.** Professor of Mathematics, Harvard University. Mem. Am. Math. Soc. (Pres't. 1904-06), Nat. Acad. Sci., Deut. Math.-Verein., Math. Soc., Kharkoff, Calcutta Math. Soc., Circolo Mat. di Palermo. *74 Avon Hill St., Cambridge, Mass.* 1915
- Osterhout, Winthrop John Vanleuden, A.M., Ph.D.** Professor of Botany, Harvard University. Fell. Am. Acad. Arts and Sci. Mem. Bot. Soc. of Am., Am. Physiol. Soc., Am. Chem. Soc., Soc. of Exp. Biol. and Med., Boston Soc. Nat. Hist. *60 Buckingham St., Cambridge, Mass.* 1917
- Pancoast, Henry Spackman, M.A., L.H.D.** Mem. Modern Lang. Assoc. of Am., Am. Philol. Assoc., Am. Dialect Soc., English Assoc. (England). *Spring Lane, Chestnut Hill, Philadelphia.* 1898
- Parker, George Howard, S.D.** Professor of Zoology, Harvard University. Mem. Nat. Acad. Sci., Am. Zool. Soc. (Past-Pres't), Fell. Am. Acad. Arts and Sci. *16 Berkeley St., Cambridge, Mass.* 1911
- Paton, Stewart, M.A., M.D.** Lecturer in Neuro-Biology, Princeton University. Mem. Am. Soc. Naturalists, Assoc. Am. Anat., N. Y. Acad. Med. *Princeton, N. J.* 1914
- Patterson, Christopher Stuart, A.M.** *1000 Walnut St., Philadelphia.* 1885
- Patterson, Lamar Gray.** Mem. Am. Chem. Soc. *P. O. Box 147, Montgomery, Ala.* 1898
- Patton, Francis L., A.M., D.D., LL.D.** Formerly President of Princeton University. *Warwick, Bermuda.* 1897
- Paul, John Rodman, A.M.** *505 Chestnut St., Philadelphia.* 1899
- Pearce, Richard Mills, Jr., M.D., Sc.D.** Professor of Research Medicine, University of Pennsylvania. Mem. Am. Assoc. Patholog. and Bact. (Pres't. 1912), Am. Soc. Exper. Path. (Pres't. 1914), 1914

- Assoc. Am. Phys., Am. Physiol. Soc. *2114 DeLancey Place, Philadelphia.*
- Pearl, Raymond, A.B., Ph.D.** Biologist and Head of Department of Biology, Maine Agricultural Experiment Station. Mem. Nat. Acad. Sci., Am. Soc. Zool. (Pres't, 1913), Am. Soc. of Naturalists (Pres't, 1916), Soc. of Exper. Biology and Med., Boston Soc. Nat. Hist. *Orono, Maine.* 1915
- Peckham, Stephen F., A.M.** Mem. Am. Chem. Soc., Soc. of Chem. Indust., Soc. of Chem. Engin. *1154 Sterling Place, Brooklyn, N.Y.* 1897
- Pender, Harold, A.B., Ph.D.** Professor in Charge of Electrical Engineering Department, University of Pennsylvania. Fell. Am. Acad. Arts and Sci., Am. Inst. Elect. Eng., Mem. Am. Phys. Soc. *Electrical Engineering Department, University of Pennsylvania, Philadelphia.* 1917
- Penniman, Josiah Harmar, A.B., Ph.D., LL.D.** Professor of English Literature and Vice Provost, University of Pennsylvania. Mem. Modern Lang. Assoc., Am., Am. Dialect Soc., English Assoc. of Gt. Br. *University of Pennsylvania, Philadelphia.* 1901
- Penrose, Charles B., A.M., Ph.D., M.D., LL.D.** Professor of Gynecology, University of Pennsylvania, 1893-99. President of Zoological Society of Philadelphia. *1720 Spruce St., Philadelphia.* 1909
- Penrose, Richard Alexander Fullerton, Jr., A.M., Ph.D.** Professor of Economic Geology, University of Chicago, 1892-1911. Fell. Roy. Geog. Soc., Geolog. Soc. of Am. Mem. Geolog. Soc. Wash., Wash. Acad. Sci., Mining and Metal. Soc. Am. *460 Bullitt Bldg., Philadelphia.* 1905
- Pepper, George Wharton, B.A., LL.D., D.C.L.** Formerly Professor of Law, University of Pennsylvania. *1438 Land Title Bldg., Philadelphia.* 1897
- Pettit, Henry, M.S.** *2420 Spruce St., Philadelphia.* 1895
- Phillips, Francis C., Ph.D.** Emeritus Professor of Chemistry, University of Pittsburgh. Mem. Am. Chem. Soc., Am. Inst. of Mining Eng. *University of Pittsburgh, Pittsburgh, Pa.* 1899
- Pickering, Edward C., A.M., S.B., Ph.D., L.H.D., LL.D.** Director of Harvard College Observatory. Fell. Am. Acad. Arts and Sci., Royal Soc., Astron. and Astrophys. Soc. of Am. (Pres't). Mem. Nat. Acad. Sci., A. A. A. S. (Past-Pres't), Am. Astron. Soc. (Pres't), Roy. Astron. Soc., Soc. Astron. de France, Soc. degli Spettros. Ital., Royal Inst., Accad. dei Lincei, Royal Prussian and Royal Irish Societies. Inst. de France, Imp. Acad., St. Petersburg. Hon. Mem. Societies at Mexico, Cherbourg, Liverpool, Christiania, Upsala, and Lund. **Medals**—Henry Draper, Rumford (1891); Bruce (1908); Roy. Astron. Soc. (1886, 1901) Knight of German

	Date of Election
Order, pour le Mérite. <i>Harvard College Observatory, Cambridge, Mass.</i>	
<b>Piersol, George Arthur, C.E., M.D., Sc.D.</b> Professor of Anatomy, University of Pennsylvania. Mem. Am. Assoc. of Anat., Am. Soc. Zool. Fell. Coll. of Phys., Phila. 4724 <i>Chester Ave., Philadelphia.</i>	1897
<b>Pilsbry, Henry A., Sc.D.</b> Curator, Academy of Natural Sciences, Phila., Hon. Mem. Soc. Roy. Zoolog. et Malacol. de Belge. Conchol. Soc. of Gt. Br. For. Corr. Reale Acad. de Ciencias Exactas, Fis. y Nat. (Madrid). <i>Academy of Natural Sciences, Logan Square, Philadelphia.</i>	1895
<b>Price, Eli Kirk, A.B., LL.D.</b> Mem. Am. Acad. Polit. and Soc. Sci. 709 <i>Walnut St., Philadelphia.</i>	1916
<b>Prince, John Dyneley, B.A., Ph.D.</b> Professor of Slavonic Languages, Columbia University. Fell. N. Y. Acad. Sci. Mem. Am. Orient. Soc., Soc. Bibl. Lit. and Exegesis, Maatschap. der Nederl. Letter., Vorderasiat. Gesell. <i>Sterlington, Rockland Co., N. Y.</i>	1913
<b>Pritchett, Henry S., A.B., Ph.D., Sc.D., LL.D.</b> President of Carnegie Foundation for Advancement of Teaching. Formerly Superintendent of U. S. Coast and Geodetic Survey, and Pres't of Mass. Institute of Tech. Fell. Am. Acad. Arts and Sci. 22 <i>E. 91st St., New York City.</i>	1899
<b>Pumpelly, Raphael.</b> Mem. Nat. Acad. Sci., Geol. Soc. Am. (Pres't, 1905). <i>Newport, R. I.</i>	1874
<b>Pupin, Michael I., Ph.D., Sc.D.</b> Professor of Electro-mechanics, Columbia University. Fell. N. Y. Acad. Sci., Mem. Nat. Acad. Sci., Am. Phys. Soc., Am. Math. Soc., Am. Inst. Elec. Eng. <i>The Dakota, 1 W. 72d St., New York City.</i>	1896
<b>Ravenel, Mazýck P., M.D.</b> Professor of Bacteriology, University of Missouri. Fell. Coll. Phys., Phila. Mem. Am. Assoc. Path. and Bact. <i>University of Missouri, Columbia, Missouri.</i>	1901
<b>Rawle, Francis, A.M., LL.D.</b> Mem. American Bar Association (Pres't, 1902-03). <i>West End Trust Bldg., Philadelphia.</i>	1898
<b>Raymond, Rossiter Worthington, Ph.D., LL.D.</b> Mem. Am. Inst. Mining Eng. (Pres't, 1872-74). Hon. Mem. Soc. Civil Eng. of France, Iron and Steel Inst., Australian Inst. of Mining Eng. <b>Medal</b> —Inst. Mining and Metal. (1910). 29 <i>W. 39th St., New York City.</i>	1875
<b>Rea, Samuel, Sc.D., LL.D.</b> President of the Pennsylvania R. R. Co., Mem. Am. Acad. Polit. and Soc. Sci., Am. Geolog. Soc., Am. Soc. Civil Eng., Arch. Inst. Am., Inst. of Civil Eng. (Lond.). <i>Broad Street Station, Philadelphia.</i>	1913

- Reid, Harry Fielding, C.E., A.B., Ph.D.** Professor of Dynamic Geology 1910  
and Geography, Johns Hopkins University, Special Expert in  
Charge of Earthquake Records, U. S. Geol. Surv. Mem. Nat.  
Acad. Sci., Seismol. Soc. of Am. (Pres't, 1913), Am. Phys. Soc.,  
Assoc. Am. Geog., Washington Acad. Sci. Fell. Geol. Soc. of Am.  
Hon. Mem. Soc. Helvétique des Sci. Nat. *Johns Hopkins Univer-*  
*sity, Baltimore, Md.*
- Remington, Joseph Price, Ph.G., Ph.M., Phar.D.** Dean of Philadelphia 1899  
College of Pharmacy; Pres't Am. Pharm. Assoc., Pres't 7th Int.  
Cong. of Pharmacy, Chairman Comm. of Revision of U. S. Pharma-  
copeia, 9th Revis., Fell. Chem. Soc., Lond., Linnean Soc., Lond.,  
Roy. Microscop. Soc. Mem. Federation Internat. Pharmaceut. 1832  
*Pine St., Philadelphia.*
- Remsen, Ira, A.B., M.D., Ph.D. (Gött.), LL.D., D.C.L.** Professor Emeri- 1879  
tus of Chemistry and President Emeritus, Johns Hopkins Univer-  
sity. Mem. Nat. Acad. Sci. (Pres't, 1907-13), A. A. A. S. (Pres't,  
1903), Am. Chem. Soc. (Pres't, 1902). Soc. of Chem. Industry  
(Pres't, 1909-10). For. Mem. Chem. Soc. Lond. Hon. Mem. Chem.  
Soc. of France. **Medals**—Soc. of Chem. Indust. (1904), Willard  
Gibbs (Am. Chem. Soc., 1913). *Johns Hopkins University, Balti-*  
*more, Md.*
- Rhodes, James Ford, LL.D., D.Litt. (Oxford).** Mem. Mass. Hist. Soc., 1910  
Am. Hist. Assoc. (Pres't, 1899), Nat. Inst. Arts and Letters, Am.  
Acad. Arts and Letters. Fell. Am. Acad. Arts and Sci. Corr. Fell.  
Brit. Acad. **Medals**—Loubat Prize (Berl. Acad. Sci., 1901); Nat.  
Inst. Arts and Letters (1910). 392 *Beacon St., Boston, Mass.*
- Richards, Horace Clark, A.B., Ph.D.** Professor of Mathematical Physics, 1907  
University of Pennsylvania. Mem. Am. Phys. Soc., Soc. Franç. de  
Physique. 4812 *Fairmount Ave., Philadelphia.*
- Richards, Theodore William, S.B., A.M., Ph.D., Sc.D., Chem.D., M.D., 1902**  
**LL.D.** Professor of Chemistry and Director of the Wolcott Gibbs  
Memorial Laboratory, Harvard University. Mem. Nat. Acad. Sci.,  
Am. Chem. Soc. (Pres't, 1914). Fell. Am. Acad. Arts and Sci.  
Hon. Mem. Royal Inst. For. Mem. Royal Swedish Acad. Corr.  
Mem. Roy. Pruss. Acad. Sci. **Medals**—Nobel Laureate, Chem-  
istry, 1914; Davy (Roy. Soc., 1910); Faraday (Chem. Soc., 1911);  
Willard Gibbs (Am. Chem. Soc., 1912); Franklin (Franklin Inst.,  
1916). *Wolcott Gibbs Memorial Laboratory, Cambridge, Mass.*
- Ricketts, Palmer C., C.E., E.D., LL.D.** President and Director of the 1914  
Rensselaer Polytechnic Institute, Troy, N. Y. Mem. Am. Soc. Civ.  
Eng., Am. Soc. Mech. Eng., Am. Inst. Min. Eng., Inst. of Civ. Eng.,  
(Gt. Br.). *Troy, N. Y.*

# 34 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
Rogers, Robert William, A.B., Ph.D., Litt.D., LL.D., S.T.D. Professor of Hebrew and Old Testament Exegesis, Drew Theological Seminary. Fell. Roy. Geog. Soc. Mem. Deut. Morgenland. Gesell., Deut. Orient. Gesell., Vorderasiat. Gesell. <i>Madison, N. J.</i>	1890
Rolfe, John Carew, A.M., Ph.D. Professor of Latin Language and Literature, University of Pennsylvania. Mem. Am. Philol. Assoc. (Pres't, 1912). <i>4014 Pine St., Philadelphia.</i>	1907
Roosevelt, Theodore, A.B., LL.D., Ph.D. (Berlin), D.C.L. (Oxford). 26th President of the United States. Medal—Nobel Laureate, Peace (1906). <i>Oyster Bay, N. Y.</i>	1904
Root, Elihu, A.M., LL.D., D.C.L. (Oxford) U. S. Senator from N. Y., 1909-15, Mem. Permanent Court of Arbitration at Hague, President Carnegie Endowment for International Peace, Mem. Am. Bar Assoc. (Pres't, 1915). Fell. Am. Acad. Arts and Sci. Medal—Nobel Laureate, Peace. 1912. <i>1 E. 81st St., New York City.</i>	1906
Rosa, Edward Bennett, Sc.D., Ph.D. Chief Physicist, National Bureau of Standards. Mem. Nat. Acad. Sci., Am. Inst. of Elec. Eng., Am. Phys. Soc., Illum. Eng. Soc., Soc. Franç. de Phys., Wash. Acad. Sci., Wash. Philos. Soc. <i>National Bureau of Standards, Washington, D. C.</i>	1912
Rosengarten, Joseph George, A.B., LL.D. <i>1704 Walnut St., Philadelphia.</i>	1891
Rothrock, Joseph T., B.S., M.D. Formerly Professor of Botany, University of Pennsylvania, Commissioner of Forestry of Pennsylvania. <i>West Chester, Pa.</i>	1877
Rowe, Leo S., A.B., B.S., Ph.D., LL.D. Professor of Political Science, University of Pennsylvania. Mem. Am. Acad. of Polit. and Soc. Sci. (Pres't), Am. Soc. Int. Law, Nat. Inst. of Soc. Sci. Hon Mem. Mexican Geog. Soc., Nat. Hist. Soc. of Argentina. <i>University Dormitories, 37th and Spruce Sts., Philadelphia.</i>	1911
Russell, Henry Norris, A.M., Ph.D. Professor of Astronomy and Director of Observatory, Princeton University. Mem. Astron. Soc. of Am., Internat. Union for Solar Research. For. Assoc. Roy. Astron. Soc. of Lond. <i>79 Alexander St., Princeton, N. J.</i>	1913
Sachse, Julius F., Litt.D. <i>4428 Pine St., Philadelphia.</i>	1894
Sadtler, Samuel P., S.B., Ph.D., LL.D. Professor Emeritus of Chemistry, Phila. College of Pharmacy. Mem. Am. Chem. Soc., Am. Electro-Chem. Soc., Soc. Chem. Industry. Am. Inst. Chem. Eng. (Past-Pres't). <i>210 S. 13th St., Philadelphia.</i>	1874
Sajous, Charles E. de M., M.D., LL.D., Sc.D. Fell. Coll. Phys., Phila.. Mem. Am. Laryngol. Soc. <i>2043 Walnut St., Philadelphia</i>	1888
Sampson, Alden. <i>7 W. 43d St., New York City.</i>	1897
Sanders, Richard H., M.E. Mem. Am. Inst. Mining Eng., Mining and Metallurgical Soc. of Am. <i>1225 Locust St., Philadelphia.</i>	1897

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| <b>Sargent, Charles Sprague, A.B., LL.D.</b> Director of the Arnold Arboretum and Professor of Arboriculture, Harvard University. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Mass. Soc. for Prom. Agric. (Pres't). For. Mem. Linn. Soc., Lond., Soc. Nat. de Agric. de France. <i>Jamaica Plain, Mass.</i>  | 1882                |
| <b>Schelling, Felix E., M.A., Litt.D., Ph.D., LL.D.</b> Professor of English Literature, University of Pennsylvania. Mem. Modern Lang. Assoc. of Am. (Pres't, 1913-14), Am. Inst. Arts and Letters. <i>College Hall, University of Pennsylvania, Philadelphia.</i>   | 1902                |
| <b>Schlesinger, Frank, B.S., M.A., Ph.D.</b> Director of Allegheny Observatory, University of Pittsburgh. Mem. Nat. Acad. Sci., Am. Astron. Soc. For. Assoc. Roy. Astron. Soc., Astron. Gesell. <i>Allegheny Observatory, Pittsburgh, Pa.</i>  | 1912                |
| <b>Schuchert, Charles, M.A., LL.D.</b> Professor of Palaeontology, Yale University. Mem. Nat. Acad. Sci., Wash. Acad. Sci., Conn. Acad. Sci., Geolog. Soc. of Wash., Biolog. Soc., Wash., Geolog. Soc. of Am. Fell. Am. Acad. Arts and Sci. <i>Yale University, New Haven, Conn.</i>   | 1913                |
| <b>Schurman, Jacob Gould, A.M., Sc.D., LL.D.</b> President of Cornell University. <i>Ithaca, N. Y.</i>   | 1908                |
| <b>deSchweinitz, George E., A.M., M.D., LL.D.</b> Professor of Ophthalmology, University of Pennsylvania. Fell. Coll. Phys., Phila. (Pres't 1910-13). Mem. Am. Ophthalmol. Soc. (Pres't 1916). <b>Medal—</b> Alvarenga Prize (Coll. Phys., Phila., 1896). <i>1705 Walnut St., Philadelphia.</i>  | 1912                |
| <b>Scott, Charles Felton, A.B.</b> Professor of Electrical Engineering, Sheffield Scientific School, Yale University. Mem. Am. Inst. Elect. Eng., Engin. Soc. Western Penna. (Pres't, 1902). <i>284 Orange St., New Haven, Conn.</i>   | 1898                |
| <b>Scott, William Berryman, M.A., Ph.D. (Heidel.), D.Sc. (Harvard and Oxford), LL.D.</b> Professor of Geology, Princeton University. Mem. Nat. Acad. Sci., Geol. Soc. of Am., Paleont. Soc. of Am., Geol. Soc., Lond., Zoolog. Soc., Lond., Linnean Soc., Lond. <b>Medals—</b> E. K. Kane (Geog. Soc. of Phila.); Wollaston (Geol. Soc., Lond., 1909). <i>158 Nassau St., Princeton, N. J.</i> | 1886                |
| <b>Seares, Frederick Hanley, B.S.</b> Superintendent, Computing Division, Solar Observatory, Carnegie Institution. Mem. Am. Astr. Soc., Astr. Soc. of Pacific, Wash. Acad. Sci., Soc. Astron. de France, Astron. Gesell. <i>Solar Observatory Office, Pasadena, Cal.</i>   | 1917                |
| <b>Sedgwick, William Thompson, Ph.D., Sc.D.</b> Professor of Biology and Public Health, Massachusetts Institute of Technology. Mem. Soc. Am. Bact., Am. Soc. of Naturalists. Fell. Am. Acad. Arts and Sci. <i>Massachusetts Institute of Technology, Cambridge, Mass.</i>  | 1911                |

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| <b>See, T. J. J., A.M., M.Sc., Ph.D. (Berlin).</b> Professor of Mathematics, U. S. N., in charge of Naval Observatory, Mare Island, Cal. Fell. Roy. Astr. Soc. Mem. Astr. Gesell., Lond. Math. Soc., Am. Math. Soc., Deut. Math. Verein., Soc. Math. de France, Circolo Math. di Palermo, Calcutta Math. Soc., Wash. Acad. Sci., Philos. Soc., Wash., Am. Phys. Soc., Soc. Franç. de Phys., Soc. Astr. de France, Astron. Soc. of Pacific, Calif. Acad. Sci., Seismolog. Soc. of Am. <i>Mare Island, Cal.</i> | 1897                |
| <b>Sellers, Coleman, Jr., M.S.</b> President and Engineer of William Sellers & Co., Inc. Mem. Am. Soc. Mechan. Eng. <i>3301 Baring St., Philadelphia.</i>   | 1899                |
| <b>Sharples, Stephen Paschall, M.S.</b> Fell. Am. Acad. Arts and Sci. Mem. Am. Inst. Mining Eng., Am. Inst. Chem. Eng., Am. Chem. Soc., Soc. of Industrial Chem. <i>26 Broad St., Boston, Mass.</i>   | 1882                |
| <b>Sherwood, Andrew.</b> Corr. Mem. N. Y. Acad. Sci. <i>The Rosemont, E. 69th St., N., Portland, Ore.</i>   | 1875                |
| <b>Sigsbee, Charles Dwight.</b> Rear-Admiral U. S. Navy. <i>U. S. Navy Department, Washington, D. C.</i>  | 1899                |
| <b>Smith, A. Donaldson, A.B., M.D. Medals—Cullum (Am. Geog. Soc.); Kane (Phila. Geog. Soc.); Patron's (Roy. Geog. Soc. Lond.). Care S. H. Thomas, Esq., 308 Walnut St., Philadelphia.</b>   | 1897                |
| <b>Smith, Allen J., A.M., M.D., Sc.D., LL.D.</b> Professor of Pathology. University of Pennsylvania. Fell. Coll. Phys., Phila. Mem. Am. Soc. of Path. and Bact. Corr. Mem. Roy. Soc. of Hygiene (Madrid). <i>Medical School, University of Pennsylvania, Philadelphia.</i>  | 1907                |
| <b>Smith, Edgar Fahs, Ph.D., Chem.D., Sc.D., L.H.D., LL.D.</b> Provost and Professor of Chemistry, University of Pennsylvania. Mem. Nat. Acad. Sci., Am. Chem. Soc. (Pres't, 1898), Deut. Chem. Gesell. <b>Medal—Elliott Cresson (Franklin Inst., 1914).</b> <i>University of Pennsylvania, Philadelphia.</i>   | 1887                |
| <b>Smith, Erwin Frink, B.S., Sc.D.</b> Pathologist in charge of Laboratory of Plant Pathology, U. S. Bureau of Plant Industry. Mem. Soc. for Plant Morph. and Physiol. (Past-Pres't), Soc. of Am. Bacteriologists (Pres't, 1906), Botan. Soc. of Am., Am. Phytopath. Soc., Nat. Acad. Sci. <i>Bureau of Plant Industry, Department of Agriculture, Washington, D. C.</i>  | 1916                |
| <b>Smith, Stephen, A.M., M.D., LL.D.</b> Mem. Am. Pub. Health Assoc. (Past-Pres't). <i>260 W. 76th St., New York City.</i>  | 1875                |
| <b>Smith, Theobald, Ph.B., M.D., A.M., LL.D., Sc.D.</b> Director of Department of Animal Pathology, Rockefeller Institute for Medical Research. Mem. Nat. Acad. Sci., Assoc. of Am. Phys., Assoc. of Am. Path. and Bact., Soc. for Exper. Biol. and Med., Fell. Am.   | 1915                |

- Acad. Arts and Sci., Hon. Fell. Soc. Trop. Med. and Hygiene,  
Lond. Hon. Mem. Soc. Path. Exotique, Paris. *42 Cleveland  
Lane, Princeton, N. J.*
- Smock, John C., M.A., Ph.D., LL.D.** Former State Geologist of New 1897  
Jersey. Mem. Am. Inst. Mining Eng., Geol. Soc. of Am., Roy. Soc.  
of Arts, Lond. *Hudson, N. Y.*
- Smyth, Charles Henry, Jr., A.B., Ph.D.** Professor of Geology, Prince- 1908  
ton University. Mem. Geol. Soc. of Am., N. Y. Acad. Sci., Wash.  
Acad. Sci. *Princeton University, Princeton, N. J.*
- Smyth, Herbert Weir, A.B., Ph.D. (Gött.).** Professor of Greek Litera- 1908  
ture, Harvard University. Fell. Am. Acad. Arts and Sci., Mem.  
Am. Philol. Assoc. (Pres't, 1904-05). *15 Elmwood Ave., Cam-  
bridge, Mass.*
- Snyder, Monroe B., M.A.** Director of Philadelphia Observatory and 1884  
Professor of Astronomy, Central High School, Phila. *2402 N.  
Broad St., Philadelphia.*
- Spitzka, Edward Anthony, M.D.** Late Professor of Anatomy, Jeffer- 1908  
son Medical College, Phila. Mem. Assoc. Am. Anatomists. *63 E.  
91st St., New York City.*
- Squier, George Owen, Ph.D.** Brigadier-General and Chief Signal 1917  
Officer, U. S. A. Mem. Am. Inst. Elect. Eng., Inst. of Radio-  
Eng. *War Department, Washington, D. C.*
- Steinmetz, Charles P., A.M., Ph.D.** Professor of Electro-Physics, Union 1917  
College, Schenectady, Chief Consulting Engineer General Electric  
Co. Mem. Am. Inst. Elect. Eng. (Past-Pres't), Illum. Eng. Soc.,  
Am. Math. Soc., Am. Phys. Soc., Am. Chem. Soc., Soc. of Mech.  
Eng., German and English Elect. Eng. Societies. **Medal**—Elliott  
Cresson (Franklin Institute). *Wendell Ave., Schenectady, N. Y.*
- Stengel, Alfred, M.D., Sc.D.** Professor of Medicine, University of 1903  
Pennsylvania. Mem. Assoc. of Am. Phys., Assoc. of Pathol and  
Bact. *1728 Spruce St., Philadelphia.*
- Stephens, Henry Morse, M.A. (Oxon.), Litt.D. (Harv.).** Professor of 1897  
History, University of California. Mem. Am. Hist. Assoc (Pres't,  
1915), Acad. of Pacific Coast Hist., Mass. Hist. Soc. *Faculty  
Club, University of California, Berkeley, Cal.*
- Stevens, W. LeConte, A.B., Ph.D.** Professor of Physics, Washington 1884  
and Lee University, Lexington, Va. Mem. N. Y. Acad. Sci., Roy.  
Microscop. Soc. *Lexington, Va.*
- Stevenson, John James, A.M., Ph.D., LL.D.** Professor Emeritus of 1877  
Geology, New York University. Mem. Geol. Soc. of Am. (Past-  
Pres't), N. Y. Acad. Sci. (Past-Pres't), Corr. Mem. Academies at  
Phila., San Francisco, Moscow, Halle, Padua, Palermo, Breslau,



	Date of Election
and of Geol. Societies of Edinburgh, Liverpool, Brussels, St. Petersburg and Budapest. 215 W. 101st St., New York City.	
<b>Stevenson, Sara Yorke, Sc.D.</b> Off. d'Instruct. Pub. de la République Française. 237 S. 21st St., Philadelphia.	1895
<b>Stillwell, Lewis Buckley, Sc.D.</b> Mem. Am. Inst. Elect. Eng. (Past-Pres't), Brit. Inst. Elect. Eng. Am. Soc. Civil Eng. 100 Broadway, New York City.	1898
<b>Stone, Witmer, A.M., Sc.D.</b> Curator, Academy of Natural Sciences, Phila. Fell. Am. Ornith. Union. For. Mem. Brit. Ornith. Union. Academy of Natural Sciences, Logan Square, Philadelphia.	1913
<b>Stratton, Samuel W., D.Sc.</b> Director of National Bureau of Standards, Washington. Mem. Am. Inst. Elect. Eng., Am. Soc. Mech. Eng., Am. Phys. Soc. Medal—Elliott Cresson (Franklin Institute). Bureau of Standards, Washington, D. C.	1904
<b>Straus, Oscar S., A.M., LL.D., Litt.D.</b> Member of the Permanent Court of Arbitration at the Hague. Formerly Ambassador to Turkey. Mem. Am. Soc. Sci. Assoc. (Past-Pres't). Am. Soc. Internat. Law. 5 W. 76th St., New York City.	1917
<b>Sulzberger, Mayer, M.A., LL.D., D.H.L.</b> Formerly President Judge of the Court of Common Pleas (No. 2) of Pennsylvania. Mem. Am. Orient. Soc., Am. Bar. Assoc., Am. Jewish Hist. Soc. 1303 Girard Ave., Philadelphia.	1895
<b>Taft, William Howard, B.A., LL.D., D.C.L.</b> 27th President of the United States. Kent Professor of Law, Yale University. Mem. Am. Bar Assoc. (Pres't, 1913). Hotel Taft, New Haven, Conn.	1909
<b>Taylor, Alonzo Englebert, M.D.</b> Professor of Physiological Chemistry, University of Pennsylvania. School of Medicine, University of Pennsylvania, Philadelphia.	1917
<b>Tesla, Nikola, M.A., LL.D., D.Sc.</b> 8 W. 40th St., New York City.	1896
<b>Thaxter, Roland, A.M., Ph.D.</b> Professor of Cryptogamic Botany, Harvard University. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Bot. Soc. of Am. (Past-Pres't), Bost. Soc. Nat. Hist., Am. Phytopath. Soc., Deut. Botan. Gesell. Medal—Prix Desmazières. 7 Scott St., Cambridge, Mass.	1912
<b>Thomson, Elihu, A.M., Ph.D., D.Sc.</b> Consulting Engineer, General Electric Co. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Am. Inst. Elect. Eng. (Past-Pres't). Am. Astron. Soc., Am. Geog. Soc., Inst. of Civil Eng. (Gt. Br.), Inst. of Elect. Eng. (Gt. Br.), Soc. Int. des Electric. (Paris). Medals—Grand Prix (Paris, 1889, 1900); Rumford (1901); John Scott Legacy (Franklin Inst., 1888, 1901); Edison (1909); Elliott Cresson (Franklin Inst., 1912); Grand Prize Louisiana Purchase Expos. (St. Louis, 1904), Omaha Expos. (1898); John Fritz (1916). 22 Monument Ave., Swampscott, Mass.	1876

- Date of  
Election
- Titchener, Edward Bradford, D.Sc. (Oxon), Ph.D. (Leipzig), LL.D.,** 1906  
Litt.D. Professor of Psychology in Graduate School, Cornell University. Fell. Zoolog. Soc., Roy. Soc. of Med., Aristotelian Soc., Am. Psychol. Assoc. *Cornell Heights, Ithaca, N. Y.*
- Tittmann, Otto Hilgard, D.Sc., LL.D.** Formerly Superintendent U. S. 1906  
Coast and Geodetic Survey. Mem. Am. Soc. Civil Eng., Wash. Acad. Sci. (Pres't, 1913), Philos. Soc. of Wash. (Pres't, 1899), Astrophys. Soc. of Am. Hon. Mem. Berlin. Gesell. für Erdkunde. *Leesburg, Va.*
- Tower, Hon. Charlemagne, A.B., LL.D. (Glasgow, St. Andrews).** For- 1895  
merly U. S. Ambassador to Germany. Mem. Hist. Soc. of Penna. (Pres't). Medals—Grand Officer, Legion of Honor of France. Grand Cordon, St. Alex. Newski, Russia, Grand Cross of Order of Osmanie, Grand Cross of the Order of Merit, Oldenburg. 228 *S. Seventh St., Philadelphia.*
- Trelease, William, Sc.D., LL.D.** Professor of Botany, University of 1903  
Illinois. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Bot. Soc. of Am. (Past-Pres't), Am. Soc. of Naturalists (Pres't, 1903), Acad. Sci., St. Louis (Pres't, 1909 and 1911), Acad. Internat. de Geog. Bot., Bot. Soc. of Am. (Pres't, 1896). *University of Illinois, Urbana, Ill.*
- Trowbridge, Augustus, A.M., Ph.D.** Professor of Physics, Princeton 1911  
University. Fell. Am. Phys. Soc. *Princeton University, Princeton, N. J.*
- Trowbridge, John, S.D.** Professor Emeritus and (Hon.) Director of 1896  
the Jefferson Physical Laboratory, Harvard University. Mem. Nat. Acad. Sci. Fell. Am. Acad. Arts and Sci. (Pres't). *Cambridge, Mass.*
- Tucker, Richard Hawley, C.E.** Mem. Astron. Gesell., Astron. Soc. of 1908  
the Pacific, Mexican Astron. Soc. *Lick Observatory, Mt. Hamilton, Cal.*
- Tyler, Lyon Gardiner, A.M., LL.D.** President of William and Mary 1889  
College. Mem. Am. Antiq. Soc., Am. Hist. Assoc. Corr. Mem. Mass. Hist. Soc. *William and Mary College, Williamsburg, Va.*
- Tyson, James, A.M., M.D., LL.D.** Professor Emeritus of Medicine. 1887  
University of Pennsylvania. Fell. Coll. Phys., Phila. (Pres't, 1907-10), Mem. Assoc. Am. Phys. (Pres't, 1907-08). 1506 *Spruce St., Philadelphia.*
- Van Hise, Charles Richard, B.M.E., M.S., Ph.D.** President of the Uni- 1909  
versity of Wisconsin. Mem. Nat. Acad. Sci., Wash. Acad. Sci., Scientific Soc. of Christiania, Roy. Swedish Acad. Sci., Geolog. Soc. Am. (Pres't, 1907), Geolog. Soc., Lond., Wis. Acad. Sci., Arts and Letters (Pres't, 1893-96), Bost. Soc. Nat. Hist., A. A. S. (Pres't, 1916). *University of Wisconsin, Madison, Wis.*

	Date of Election
<b>Vaoclain, Samuel M., D.Sc.</b> Mem. Am. Soc. Civil Eng., Am. Soc. Min. Eng., Am. Soc. Mech. Eng., Soc. Civ. Eng., Lond. <i>500 N. Broad St., Philadelphia.</i>	1899
<b>Vaughan, Victor Clarence, M.S., Ph.D., M.D., Sc.D., LL.D.</b> Professor of Hygiene and Physiological Chemistry, University of Michigan, Pres't Mich. State Board of Health. Mem. Nat. Acad. Sci., Soc. Française d'Hygiène, Hungarian Soc. of Hygiene, Assoc. Amer. Phys. <i>221 S. State St., Ann Arbor, Mich.</i>	1909
<b>Vaux, George, Jr., S.B., LL.B.</b> <i>Gulph Road, Bryn Mawr, Pa.</i>	1897
<b>Veblen, Oswald, A.B., Ph.D.</b> Professor of Mathematics, Princeton University. Mem. Am. Math. Soc., Circolo Matemat. di Palermo. Soc. de Mathémat. de France. <i>Princeton, N. J.</i>	1912
<b>Venable, Francis P., A.M., Ph.D., Sc.D., LL.D.</b> Professor of Chemistry, University of North Carolina. Mem. Amer. Chem. Soc. (Pres't, 1905), Lond. Chem. Soc., Deut. Chem. Gesell. <i>Chapel Hill, N. C.</i>	1905
<b>Wagner, Samuel, A.M.</b> President of Wagner Free Institute of Science. <i>209 Franklin Bldg., 133 S. 12th St., Philadelphia.</i>	1885
<b>Walcott, Charles Doolittle, Sc.D. (Cantab. and Harv.), Ph.D. (Roy. Fredericks, Christiania), LL.D.</b> Secretary of the Smithsonian Institution, Director of U. S. Geological Survey, 1894-1907. Mem. Nat. Acad. Sci., Geol. Soc. of Am., Wash. Acad. Sci. (Pres't, 1899-1910), Geolog. Soc., Lond., Accad. dei Lincei, Christiania Scient. Soc., Imp. Soc. of Nat. of Moscow, Astron. Soc. of Mex. Fell. Am. Acad. Arts and Sci. <b>Medals</b> —Hayden (Acad. Nat. Sci., Phila.); Bigsby (Geolog. Soc., Lond.). <i>Smithsonian Institution, Washington, D. C.</i>	1897
<b>Ware, Lewis S.</b> Mem. Assoc. des Chimistes de Sucrierie (France). <i>51 Rue de la Bienfaisance, Paris, France.</i>	1881
<b>Warfield, Ethelbert D., A.M., LL.D., Litt.D.</b> President of Wilson College. Mem. Am. Hist. Soc. <i>Wilson College, Chambersburg, Pa.</i>	1897
<b>Webster, Arthur Gordon, A.B., Ph.D., Sc.D., LL.D.</b> Professor of Physics, Clark University. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Am. Phys. Soc. (Pres't, 1903-05), Am. Math. Soc., Deut. Math. Verein., Circolo Matemat. di Palermo. <i>Clark University, Worcester, Mass.</i>	1906
<b>Welch, William Henry, A.B., M.D., LL.D.</b> Professor of Pathology, Johns Hopkins University, President State Board of Health, Maryland, Board of Scientific Directors, Rockefeller Inst. for Med. Research. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci. (Past-Pres't), A. A. A. S. (Past-Pres't), A. M. A. (Past-Pres't), Cong. of Am. Phys. and Surg. (Past-Pres't), Assoc. of Am. Phys. (Past-Pres't), Royal Soc. of Med., Lond. <b>Medals</b> —Ritter des	1896

Königl. Kronen-Orden 2 ter cl., Order of the Rising Sun, Japan,  
3d cl. *807 St. Paul St., Baltimore, Md.*

- Wheeler, William Morton, Ph.D., Sc.D.** Professor of Economic Entomology, Bussey Institution for Applied Biology, Harvard University. Hon. Cur. of Social Insects, Am. Mus. Nat. Hist. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., N. Y. Acad. Sci., Havana Acad. Sci. *Bussey Institution, Forest Hills, Boston, Mass.* 1916
- White, Andrew D., A.B., LL.D., L.H.D., Ph.D. (Jena), D.C.L. (Oxon.).** 1869  
President Cornell University, 1865-85. Hon. Mem. Roy. Acad. Sci. (Berl.). Mem. Am. Soc. Sci. Assoc. (Past-Pres't), Mass. Hist. Soc., Am. Acad. Arts and Letters. **Medal**—Gold of Prussia for Arts and Sci., Officier Legion d'Honneur. *23 East Ave., Ithaca, N. Y.*
- White, Israel C., A.M., Ph.D.** State Geologist of West Virginia. Mem. 1878  
Geolog. Soc. of Am., Am. Geog. Soc., Am. Inst. Mining Eng. *141 Willey St., Morgantown, West Virginia.*
- Whitfield, J. Edward, Ph.D.** *406 Locust St., Philadelphia.* 1905
- Wilder, Burt G., B.S., M.D.** Professor Emeritus of Neurology and 1878  
Vertebrate Zoology, Cornell University. Mem. Bost. Soc. Nat. Hist., Am. Neurol. Assoc. (Pres't, 1885), Assoc. Amer. Anat. (Pres't, 1898). *93 Waban Hill Road, Chestnut Hill, Mass.*
- Wiley, Harvey W., A.M., S.B., M.D., Ph.D., D.Sc., LL.D.** President 1904  
U. S. Pharmacopoeial Convention. Mem. Am. Chem. Soc. (Past-Pres't). **Medals**—Elliott Cresson (Franklin Inst.); Chevalier du Mérite Agricole; Chev. de Legion d'Honneur. *Cosmos Club, Washington, D. C.*
- Willcox, Joseph.** *The Gladstone, Philadelphia.* 1895
- Williams, Edward Higginson, Jr., B.A., B.S., E.M., Sc.D., LL.D.** Mem. 1897  
Am. Inst. Mining Eng., Geolog. Soc. of Am. *Westerdale, Woodstock, Vt.*
- Williams, Talcott, A.B., L.H.D., LL.D.** Director of School of Journal- 1888  
ism, Columbia University. Mem. Am. Orient. Soc., Am. Acad. Polit. and Soc. Sci. *School of Journalism, Columbia University, New York.*
- Willis, Bailey, E.M., Ph.D. (Berl.).** Geologist, U. S. Geological Sur- 1905  
vey. Professor of Geology, Stanford University. **Medal**—Soc. Géog. de France. *Stanford University, California.*
- Willis, Henry, A.M.** Professor of History, Central High School, Phila. 1890  
Mem. Am. Hist. Assoc. *4036 Baring St., Philadelphia.*
- Wilson, Edwin Bidwell, A.B., Ph.D.** Professor of Mathematics, Mas- 1917  
sachusetts Institute of Technology. Mem. Am. Math. Soc., Soc.

- Date of  
Election
- de Mathémat. de France, Deut. Math. Verein., Circolo Matemat. di  
Palermo, Lond. Math. Soc., Am. Phys. Soc., Soc. Franç. de Phys.  
*Massachusetts Institute of Technology, Cambridge, Mass.*
- Wilson, Harold Albert, M.A. (Cantab.), D.Sc.** Professor of Physics. 1914  
Rice Institute, Fell. Royal Soc. Mem. Cambridge Philos. Soc.,  
Phys. Soc., Lond., Soc. Franç. de Phys., Am. Phys. Soc. *Rice In-  
stitute, Houston, Tex.*
- Wilson, James Cornelius, A.M., M.D.** Professor Emeritus of Medicine 1885  
in Jefferson Medical College. Mem. Assoc. Am. Phys. (Past-  
Pres't), Fell. Coll. of Phys., Phila. (Past-Pres't). 1509 *Walnut  
St., Philadelphia.*
- Wilson, William Powell, B.S., Dr.Sc. (Tüb.).** Director of the Phila. 1887  
delphia Museums. Mem. Botan. Soc. of Am., Wash. Acad. Sci.,  
Deut. Botan. Gesell. *Commercial Museum, 34th St. bet. Spruce  
St., Philadelphia.*
- Wilson, Woodrow, A.M., LL.D., Litt.D.** 28th President of the United 1897  
States. Formerly President of Princeton University and Governor  
of New Jersey. *The White House, Washington, D. C.*
- Wister, Owen, A.M., LL.D., Litt.D.** 1004 *West End Trust Bldg., Phila-* 1897  
*delphia.*
- Witmer, Lightner, A.M., Ph.D.** Professor of Psychology and Director 1897  
of the Laboratory of Psychology, University of Pennsylvania.  
Mem. Am. Psycholog. Assoc. 2426 *Spruce St., Philadelphia.*
- Wood, Robert Williams, A.B., LL.D.** Professor of Experimental Physics. 1908  
Johns Hopkins University. Fell. Am. Acad. Arts and Sci. Mem.  
Nat. Acad. Sci., Am. Phys. Soc., Am. Astr. and Astrophys. Soc.,  
Solway Inst. of Physics (Brussels). Corr. Mem. Roy. Soc., Göt-  
tingen. Hon. Fell. Roy. Microscop. Soc. (Lond.). **Medals**—Rum-  
ford (Lond. Soc. of Arts); John Scott (Franklin Institute, Phila.).  
*Johns Hopkins University, Baltimore, Md.*
- Woodward, Robert Simpson, C.E., Ph.D., LL.D., Sc.D.** President of the 1902  
Carnegie Institution of Washington. Mem. A. A. A. S. (Pres't.  
1901), Am. Math. Soc. (Pres't, 1898-1900), Geolog. Soc. of Am.,  
Am. Phys. Soc., N. Y. Acad. Sci. (Pres't, 1902), Wash. Acad. Sci.  
Pres't, 1915). Nat. Acad. Sci., Fell. Amer. Acad. Arts and Sci.  
*Carnegie Institution of Washington, Washington, D. C.*
- Wright, Frederick E., Ph.D. (Heidel.).** Petrologist, Geophysical Labo- 1914  
ratory, Carnegie Institution of Washington, Geologist, U. S. Geol.  
Surv. Fell. Am. Acad. Arts and Sci. Mem. Am. Phys. Soc., Am.  
Chem. Soc., Am. Math. Soc., Geolog. Soc. of Am., Am. Inst. Min-  
ing Eng., Wash. Acad. Sci. 2134 *Wyoming Ave., Washington, D. C.*

Date of  
Election

- Wurts, Alexander J., Ph.B., M.E.** Professor and Head of Department of Electrical Engineering, Carnegie Institute of Technology, Pittsburgh. Mem. Am. Inst. Elec. Eng. **Medal**—John Scott (Franklin Inst., Phila.). *1164 Shady Ave., Pittsburgh, Pa.* 1899
- Wyckoff, Ambrose Barkley.** Lieutenant U. S. N. (retired). *131 E. H St., Ontario, Cal.* 1886
- Zeleny, John, B.S., Ph.D., B.A. (Cantab.), M.A.** Professor of Physics, Sheffield Scientific School, Yale University. Mem. Am. Phys. Soc. Assoc. Mem. Cambridge Philos. Soc. *44 Cold Spring St., New Haven, Conn.* 1915

## FOREIGN MEMBERS

- Adam, Lucien.** *41 Bard Seizigné, Rennes, France.* 1886
- Adams, Frank Dawson, D.Sc., Ph.D.** Professor of Geology. McGill University. *McGill University, Montreal, Canada.* 1916
- Arrhenius, Svante August, Dr.Phil. Juris et Med.** Director of the Physico-Chemical Department of the Nobel Institute. **Medal**—Nobel Laureate, Chemistry (1903). *Nobel Institute, Experimentalfallet, near Stockholm, Sweden.* 1911
- von Baeyer, Adolf, Ph.D.** Professor of Chemistry. University of Munich. **Medal**—Nobel Laureate, Chemistry (1905). *Aroisstrasse 1, Munich, Bavaria.* 1910
- Balfour, Rt. Hon. Arthur James, LL.D., D.Cl.** *4 Carlton Gardens, S. W., London, Eng.* 1917
- Bonaparte, Prince Roland.** *10 Ave d'Jena 22, Paris, France.* 1895
- Broegger, Waldemar Christofer.** Professor of Mineralogy and Geology. Kong. Frederiks Universitet. *Christiania, Norway.* 1899
- Bryce, Rt. Hon. James, Viscount, O.M., D.C.L.** *Hindlip, Forest Row, Sussex, England.* 1895
- Budge, E. A. Wallis, M.A., Litt.D.** *British Museum, London, England.* 1895
- Canizzaro, Tomaso.** *Villa San Guiseppe 40, Catania, Sicily.* 1885
- Capellini, Giovanni.** Professor of Geology and Palaeontology. Bologna University. *Rue Medai Hayden, 1896, Bologna, Italy.* 1873
- deCharencey, Comte Hyacinth.** *25 rue Barbet de Jouy, Paris, France.* 1886
- Cora, Guido.** Professor of Geography. R. Università, Rome. *181 Via Nazionale, Rome, Italy.* 1886
- Crookes, Sir William, Kt., O.M., LL.D., D.Sc.** *17 Kensington Park Gardens, London, W., England.* 1886

# 44 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
Curie, Marie Skłodowska, D.Sc., LL.D. Professor of Physics, University of Paris. Medal—Nobel Laureate, Physics (1903) ; Chemistry, (1911). <i>12 Rue Cuvier, Paris, France.</i>	1910
Darwin, Sir Francis, Kt., M.A., Sc.D., LL.D., Ph.D. <i>10 Madingley Road, Cambridge, England.</i>	1909
Dawkins, W. Boyd, M.A., D.Sc. Hon. Professor of Geology and Palaeontology. Victoria University, Manchester. <i>Fallowfield House, Fallowfield, Manchester, England.</i>	1880
deBar, Hon. Édouard Sève. <i>Ramsgate, England.</i>	1882
Delage, Yves. Professor of Zoology, Université de Paris. <i>Université de Paris, Station Zoologique de Roscoff, Paris, France.</i>	1905
Delitzsch, Friedrich, Ph.D. Professor of Assyriology, University of Berlin. <i>University of Berlin, Berlin, Germany.</i>	1904
Dewar, Sir James, Kt., M.A., LL.D., D.Sc. Professor of Natural Experimental Philosophy, University of Cambridge. <i>1 Scroope Terrace, Cambridge, England.</i>	1899
Diels, Hermann, Dr.Phil., M.D., LL.D. Professor of Classics, University of Berlin. <i>Nürnberggerstr. 65, II, Berlin W., 50, Germany.</i>	1909
Engler, Adolf, Ph.D. Professor of Botany, University of Berlin. <i>Berlin-Dahlem, Botanischer Garten, Germany.</i>	1906
d'Estournelles de Constant, Baron. <i>78 bis Ave. Henri Martin, Paris, France.</i>	1907
Evans, Sir Arthur John, Kt., M.A., D.Litt., LL.D. Extr. Professor of Prehistoric Archaeology, Oxford. <i>Youlbury, Oxford, England.</i>	1913
Fennell, C. A. M., Litt.D. <i>Mayfield, Great Shelford, Cambridge, England.</i>	1895
Fischer, Emil, Ph.D., M.D. Professor of Chemistry, University of Berlin. Medal—Nobel Laureate, Chemistry, 1902. <i>Hessischestr. 2, Berlin, Germany.</i>	1909
Forbes, George, M.A. (Cantab.). Formerly Professor of Natural Philosophy, Anderson's College, Glasgow. <i>11 Little College St., Westminster, S. W., London, England.</i>	1891
Foster, George Carey, LL.D., D.Sc. Formerly Professor of Physics, University College, London. <i>Ladywalk, Rickmansworth, Herts, England.</i>	1907
Geikie, Sir Archibald, O.M., K.C.B., Sc.D., LL.D., D.C.L. Late Director-General of the Geological Survey of Great Britain. <i>Shepherd's Down, Haslemere, Surrey, England.</i>	1880

	Date of Election
Glazebrook, Sir Richard Tetley, Kt., C.B., M.A., Sc.D. Director of the National Physical Laboratory. <i>Bushy House, Teddington, Middlesex, England.</i>	1895
de Gregorio, Marquis Antonio. <i>Al Malo, Palermo, Sicily.</i>	1888
Haeckel, Ernst, Ph.D., M.D., LL.D. Professor of Zoology, University of Jena. <i>Jena University, Jena, Germany.</i>	1885
Hilprecht, Hermann V., Ph.D., D.D., LL.D. Formerly Professor of Comparative Semitic Philology, University of Pennsylvania. <i>Leopoldstr. 8, Munich, Bavaria.</i>	1886
Johannsen, Wilhelm L. Professor of Plant Physiology, Copenhagen University. <i>The University, Copenhagen, Denmark.</i>	1916
Jusserrand, Jean Adrien Antoine Jules, LL.D. French Ambassador. <i>French Embassy, Washington, D. C.</i>	1907
Kapteyn, Jacobus Cornelius. Professor of Astronomy, Royal University of Gröningen. <i>Gröningen, Holland.</i>	1907
Karpinsky, Alexandre Petrovitch. Hon. Director of the Russian Geological Survey. <i>Geological Survey, Petrograd, Russia</i>	1897
Kitasato, Shibasaburo, M.D. Director of the Kitasato Institute for Infectious Diseases. <i>Kitasato Institute for Infectious Diseases, Tokyo, Japan.</i>	1914
Krauss, Friedrich S. <i>vii/2 Neustiftgasse 12, Vienna, Austria.</i>	1889
Lanciani, Rodolfo, Ph.D., LL.D., D.C.L. Professor of Ancient Topography, University of Rome, Senator of the Kingdom. <i>24 Piazza Sallustio, Rome, Italy.</i>	1897
Lankester, Sir Edwin Ray, K.C.B., M.A., D.Sc., LL.D. Late Director of the Natural History Departments, British Museum. <i>29 Thurloe Place, S. W., London, England.</i>	1903
Larmor, Sir Joseph, Kt., M.A., D.Sc., LL.D., D.C.L. Professor of Mathematics, University of Cambridge. <i>St Johns College, Cambridge, England.</i>	1913
Lockyer, Sir J. Norman, K.C.B., LL.D., Sc.D. Director of Hill Observatory. <i>Hill Observatory, Salcombe Regis, Sidmouth, England.</i>	1874
Lodge, Sir Oliver Joseph, Kt., D.Sc., LL.D. Principal of the University of Birmingham. <i>Maricmont, Edgebaston, Birmingham, England.</i>	1901
Lorentz, Hendrik Antoon. Professor of Physics, University of Leyden. Medal—Nobel Laureate, Physics (1902): Franklin (Franklin Institute of Phila. 1917). <i>76 Zylaceg, Haarlem, Holland.</i>	1906
Macallum, Archibald Byron, M.A., M.D., Ph.D., Sc.D., LL.D. Professor of Biochemistry, University of Toronto. <i>Room 157 West Departmental Block, Ottawa, Canada.</i>	1917



	Date of Election
Mackenzie, Arthur Stanley. President of Dalhousie University, Halifax, Nova Scotia. <i>Dalhousie University, Halifax, Nova Scotia.</i>	1899
McMurrich, James Playfair, M.A., Ph.D., LL.D. Professor of Anatomy, University of Toronto. <i>Anatomical Laboratory, University of Toronto, Toronto, Canada.</i>	1907
Marconi, Guglielmo, D.Sc., LL.D. Medal—Nobel Laureate, Physics (1909). <i>18 Finch Lane, London, E. C., England.</i>	1901
Mengarini, Guglielmo. <i>Piazza Quirinale 14, Rome, Italy.</i>	1898
Meyer, Eduard, LL.D., D.Litt., Ph.D. Professor at the University of Berlin. <i>Berlin-Gross-Lichterfelde, Mommsenstr. 7, Germany.</i>	1910
Nansen, Fridtjof, D.Sc., Ph.D., D.C.L. Professor of Oceanography, Christiania University. <i>Lysaker near Christiania, Norway.</i>	1897
Nöldeke, Theodor, Ph.D. Professor Emeritus of Semitic Philology, University of Strassburg. <i>University of Strassburg, Strassburg, Germany.</i>	1906
Nordenskjöld, Otto, Ph.D. Professor of Geography, University of Gothenburg. <i>Göteborg 3, Sweden.</i>	1905
Nys, Ernest, LL.D., D.C.L. Professor of International Law, University of Brussels. <i>30 Rue Saint-Jean, Brussels, Belgium.</i>	1908
Onnes, Heike Kamerlingh, Ph.D., D.Sc. Professor of Physics, University of Leyden. Medal—Nobel Laureate, Physics (1913); Franklin (Franklin Institute of Phila., 1915). <i>Huize ter Wetering, Haaweg, Leyden, Holland.</i>	1914
Osler, Sir William, Bart., M.D., D.Sc. Regius Professor of Medicine, University of Oxford. <i>13 Norham Gardens, Oxford, England.</i>	1885
Ostwald, Wilhelm, D.Sc., LL.D. Professor Emeritus of Chemistry, University of Leipzig. Medal—Nobel Laureate, Chemistry (1909). <i>Gross-Bothen b. Leipzig, Germany.</i>	1912
Peñafiel, Antonio. <i>Callejón Betlemitas 8, Mexico, D. F., Mexico.</i>	1886
Penck, Albrecht F. K., Ph.D., D.Sc. Professor of Geography, University of Berlin. <i>7 Georgenstrasse 34, Berlin N. W., Germany</i>	1908
Petrie, William Matthew Flinders, D.C.L., Litt.D., LL.D. Professor of Egyptology, University College, London. <i>8 Well Road, Hampstead, N. W., London, England.</i>	1905
Pfeffer, Wilhelm F., Ph.D., M.D., Sc.D. Professor of Botany, University of Leipzig. <i>Botanisches Institut, Leipzig, Germany.</i>	1909
Picard, Charles Emile. Professor of Mathematics at the Sorbonne. <i>4 Rue Joseph Bara VI, Paris, France.</i>	1910
Postgate, John Percival, Litt.D. Professor of Comparative Philology, University of London. <i>15 Linnet Lane, Liverpool, England</i>	1886

- |  | Date of<br>Election |
|--|---------------------|
| Prain, Sir David, M.A., M.B., LL.D. Director of the Royal Botanic Gardens, Kew. <i>Royal Botanic Gardens, Kew, England.</i>  | 1917                |
| Rayleigh, Rt. Hon. John William Strutt, Lord, O.M., M.A., Ph.D., LL.D. Formerly Professor of Physics, University of Cambridge. Medal—Nobel Laureate, Physics (1904). <i>Terling Place, Witham, Essex, England.</i> | 1886                |
| Redwood, Sir Boverton, Bart., D.Sc. <i>The Cloisters, 18 Avenue Road, Regents Park, N. W., London, England.</i>  | 1898                |
| Retzius, Magnus Gustav, M.D. Late Professor of Anatomy, Caroline Medico-Chirurgical Institute, Stockholm. <i>116 Drottninggatan, Stockholm, Sweden.</i>  | 1912                |
| Richardson, Owen Willans, M.A., D.Sc. Professor of Physics, University of London, King's College. <i>4 Cannon Place, Hampstead, London, England.</i>   | 1910                |
| Rutherford, Sir Ernest, Kt., M.A., D.Sc., Ph.D. Professor of Physics, University of Manchester. Medal—Nobel Laureate, Chemistry (1908). <i>17 Wilmslow Road, Withington, Manchester, England.</i>                  | 1904                |
| Schuster, Arthur, Ph.D., Sc.D., LL.D. Honorary Professor of Physics, University of Manchester. <i>Yeldall, Twyford, Berks, England.</i>  | 1913                |
| Sergi, Giuseppe. Professor of Anthropology, R. Università, Rome. <i>Musco e Laboratorio di Antropologia, Rome, Italy.</i>  | 1885                |
| Snellen, Herman, Jr. Professor of Ophthalmology, Rijks University. <i>Utrecht, Netherlands.</i>  | 1894                |
| Szombathy, Josef. Keeper of the Anthropologico-Ethnographic Section, K. K. Naturhistorisches Hofmuseum. <i>Burgring 7, Vienna, Austria.</i>  | 1886                |
| Temple, Lt. Col. Sir Richard Carnac, Bart. <i>The Nash, Worcester, England.</i>  | 1886                |
| Thistleton-Dyer, Sir William Turner, K.C.M.G., M.A., Sc.D., Ph.D., LL.D. Late Director, Royal Botanic Gardens, Kew. <i>The Ferns, Witcombe, Gloucester, England.</i>   | 1905                |
| Thomson, Sir Joseph John, Kt., O.M., M.A., Sc.D., Ph.D., LL.D. Professor of Experimental Physics, Cambridge University. Medal—Nobel Laureate, Physics (1906). <i>Holmleigh, West Road, Cambridge, England.</i>     | 1903                |
| Thurn, Sir Everard, K.C.M.G., M.A., LL.D. <i>39 Letcham Gardens, W., London, England.</i>  | 1885                |
| Trevelyan, Rt. Hon. Sir George Otto, Bart., O.M., LL.D., D.C.L. <i>Witcombe, Stratford-on-Avon, England.</i>   | 1899                |
| Tschermak, Gustav v. Professor of Mineralogy and Petrography, K. K. Universität, Vienna, Austria. <i>Universität, Vienna, Austria.</i>   | 1882                |

	Date of Election
<b>Turrettini, Theodore.</b> <i>Geneva, Switzerland.</i>	1890
<b>Unwin, William Cawthorne, B.Sc., LL.D.</b> Emeritus Professor of Engineering at Central Technical College, City and Guilds of London Inst. <i>Palace Gate Mansion, 29 Palace Gate, Kensington, London, England.</i>	1890
<b>van der Waals, Joannes Diderik, Ph.D.</b> Professor of Theoretical Physics, University of Amsterdam. <b>Medal—Nobel Laureate, Physics (1910).</b> <i>The University, Amsterdam, Netherlands.</i>	1916
<b>Volterra, Vito, Ph.D.</b> Professor of Physics, University of Rome. <i>Via in Lucina 17, Rome, Italy.</i>	1914
<b>de Vries, Hugo.</b> Professor of Plant Physiology, University of Amsterdam. <i>University, Amsterdam, Holland.</i>	1903
<b>Waldeyer, Wilhelm.</b> Professor of Anatomy, University of Berlin <i>Lutherstr. 35, Berlin W. 62, Germany.</i>	1904
<b>Woodward, Henry, LL.D.</b> Late Keeper of the Department of Geology, British Museum (Natural History). <i>13 Arundel Gardens, Notting Hill W., London, England.</i>	1874
<b>Wundt, Wilhelm, Ph.D.</b> Formerly Professor of Philosophy, University of Leipzig. <i>Schwagerichen Str. 17, Leipzig, Germany.</i>	1895





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